

; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 599
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-470-048B-599

Query Match 69.1%; Score 56; DB 17; Length 36;
Best Local Similarity 85.7%; Pred. No. 0.58; DB 15; Length 39;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIKEKLKKIGQKIQ 14
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Db 12 KIGEKLKKIGQKIK 25

RESULT 11

US-10-060-102-1
; Sequence 1, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-060-102-1

Query Match 69.1%; Score 56; DB 14; Length 39;
Best Local Similarity 85.7%; Pred. No. 0.58; DB 15; Length 39;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIKEKLKKIGQKIQ 14
|| |||||
Db 14 KIGEKLKKIGQKIK 27

RESULT 12

US-10-721-839-1
; Sequence 1, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102

; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-721-839-1

Query Match 69.1%; Score 56; DB 15; Length 39;
Best Local Similarity 85.7%; Pred. No. 0.58; DB 15; Length 39;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIKEKLKKIGQKIQ 14
|| |||||
Db 14 KIGEKLKKIGQKIK 27

RESULT 13

US-10-721-829-1
; Sequence 1, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY

; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-721-829-1

Query Match 69.1%; Score 56; DB 17; Length 39;
Best Local Similarity 85.7%; Pred. No. 0.58; DB 15; Length 39;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIKEKLKKIGQKIQ 14
|| |||||
Db 14 KIGEKLKKIGQKIK 27

RESULT 14

US-10-344-709C-5
; Sequence 5, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.

; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; FILE REFERENCE: SONN:030US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529

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; Sequence 7, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
; FILE REFERENCE: SONN:030US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-7

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Best Local Similarity 88.2%; Pred. No. 0.0064;
Matches 15; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KIKEKLKKIGQKIGLL 17
Db      146 KIKEKLKKIGQKIGFV 162

RESULT 7
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; Sequence 2, Application US/10399442A
; Publication No. US20050063978A1
; GENERAL INFORMATION:
; APPLICANT: Jorg Fritz et al.
; TITLE OF INVENTION: Vaccine Composition Comprising an Antigen and a Peptide
; TITLE OF INVENTION: Having Adjuvant Properties
; FILE REFERENCE: SONN:031US
; CURRENT APPLICATION NUMBER: US/10/399,442A
; CURRENT FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: PCT/EP01/12041
; PRIOR FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: Austrian A 1789/00
; PRIOR FILING DATE: 2000-10-18
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-399-442A-2

Query Match          69.1%; Score 56; DB 17; Length 31;
Best Local Similarity 85.7%; Pred. No. 0.46;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KIKEKLKKIGQKIQ 14
Db      12 KIKEKLKKIGQKIK 25

RESULT 8
US-10-344-709C-1
; Sequence 1, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
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; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
; FILE REFERENCE: SONN:030US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-1

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Best Local Similarity 85.7%; Pred. No. 0.47;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KIKEKLKKIGQKIQ 14
Db      13 KIKEKLKKIGQKIK 26

RESULT 9
US-10-478-771A-4
; Sequence 4, Application US/10478771A
; Publication No. US20040248831A1
; GENERAL INFORMATION:
; APPLICANT: LINGNAU, KAREN
; APPLICANT: SCHELLACK
; APPLICANT: SCHMIDT, WALTER
; TITLE OF INVENTION: IMMUNOSTIMULATORY OLIGODEOXYNUCLEIC MOLECULES
; FILE REFERENCE: SONN:042US
; CURRENT APPLICATION NUMBER: US/10/478,771A
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: PCT/EP02/05448
; PRIOR FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: A805/2001
; PRIOR FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-478-771A-4

Query Match          69.1%; Score 56; DB 16; Length 36;
Best Local Similarity 85.7%; Pred. No. 0.53;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KIKEKLKKIGQKIQ 14
Db      12 KIKEKLKKIGQKIK 25

RESULT 10
US-10-470-048B-599
; Sequence 599, Application US/10470048B
; Publication No. US20050037444A1
; GENERAL INFORMATION:
; APPLICANT: MEINKS ET AL.
; TITLE OF INVENTION: A METHOD FOR IDENTIFICATION, ISOLATION AND PRODUCTION OF
; TITLE OF INVENTION: ANTIGENS TO A SPECIFIC PATHOGEN
; FILE REFERENCE: SONN:035US
; CURRENT APPLICATION NUMBER: US/10/470,048B
; CURRENT FILING DATE: 2003-07-25
; NUMBER OF SEQ ID NOS: 603
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; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALIAN
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-060-102-5

Query Match 100.0%; Score 81; DB 14; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.00013;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIKEKLKKGKIQGLL 17
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Db 12 KIKEKLKKGKIQGLL 28

RESULT 3
US-10-721-839-5
; Sequence 5, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALIAN
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-721-839-5

Query Match 100.0%; Score 81; DB 15; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.00013;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIKEKLKKGKIQGLL 17
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Db 12 KIKEKLKKGKIQGLL 28

RESULT 4
US-10-721-829-5

; Sequence 5, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALIAN
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-721-829-5

Query Match 100.0%; Score 81; DB 17; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.00013;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIKEKLKKGKIQGLL 17
| | | | | | | | | | | | | | | | | | | | |
Db 12 KIKEKLKKGKIQGLL 28

RESULT 5
US-10-344-709C-15
; Sequence 15, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; FILE REFERENCE: SONN:030US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-15

Query Match 91.4%; Score 74; DB 16; Length 37;
Best Local Similarity 88.2%; Pred. No. 0.0014;
Matches 15; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIKEKLKKGKIQGLL 17
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Db 12 KIKEKLKKGKIQGFV 28

RESULT 6
US-10-344-709C-7

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 60.1071 Seconds
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Title: US-09-642-744E-26

Perfect score: 81

Sequence: 1 KIKELKKIGKIQGLL 17

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Searched: 1777461 seqs, 394431504 residues

Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	81	100.0	37	14	US-10-060-102-5
3	81	100.0	37	15	US-10-721-839-5
4	81	100.0	37	15	US-10-721-839-5
5	74	91.4	37	16	US-10-344-709C-15
6	74	91.4	171	16	US-10-344-709C-7
7	56	69.1	31	17	US-10-399-442A-2
8	56	69.1	32	16	US-10-344-709C-1
9	56	69.1	36	16	US-10-478-771A-4
10	56	69.1	36	17	US-10-470-048B-599
11	56	69.1	39	14	US-10-060-102-1

12	56	69.1	39	15	US-10-721-839-1	Sequence 1, Appli
13	56	69.1	39	17	US-10-721-829-1	Sequence 1, Appli
14	56	69.1	173	16	US-10-344-709C-5	Sequence 5, Appli
15	50	61.7	36	14	US-10-269-171A-2	Sequence 2, Appli
16	49	60.5	39	14	US-10-060-102-2	Sequence 2, Appli
17	49	60.5	39	15	US-10-721-839-2	Sequence 2, Appli
18	49	60.5	39	17	US-10-721-829-2	Sequence 2, Appli
19	48	59.3	324	15	US-10-389-566-1171	Sequence 1171, Ap
20	48	59.3	326	14	US-10-233-926-25	Sequence 25, App
21	48	59.3	326	15	US-10-389-566-1172	Sequence 1172, Ap
22	48	59.3	1156	15	US-10-369-493-43	Sequence 43, Appl
23	47	58.0	205	18	US-10-594-726-628	Sequence 628, App
24	47	58.0	228	18	US-10-994-726-627	Sequence 627, App
25	47	58.0	306	18	US-10-724-972A-6154	Sequence 6154, Ap
26	46	56.8	104	15	US-10-424-599-245241	Sequence 245241,
27	46	56.8	190	15	US-10-424-599-225312	Sequence 225312,
28	46	56.8	191	16	US-10-739-930-8924	Sequence 8924, Ap
29	46	56.8	194	14	US-10-233-926-6	Sequence 6, Appli
30	46	56.8	318	15	US-10-389-566-673	Sequence 673, App
31	46	56.8	318	15	US-10-389-566-674	Sequence 674, App
32	46	56.8	363	14	US-10-233-926-20	Sequence 20, Appl
33	45	55.6	37	16	US-10-344-709C-12	Sequence 12, Appl
34	45	55.6	157	16	US-10-767-701-47315	Sequence 47315, A
35	45	55.6	275	16	US-10-437-963-178781	Sequence 178781,
36	45	55.6	329	14	US-10-233-926-24	Sequence 24, Appl
37	45	55.6	329	15	US-10-389-566-1173	Sequence 1173, Ap
38	45	55.6	331	14	US-10-233-926-23	Sequence 23, Appl
39	45	55.6	331	15	US-10-389-566-1174	Sequence 1174, Ap
40	45	55.6	569	16	US-10-425-115-340213	Sequence 340213, A
41	45	55.6	663	15	US-10-282-122A-51673	Sequence 51673, A
42	45	55.6	829	15	US-10-369-493-5082	Sequence 5082, Ap
43	44	54.3	60	16	US-10-437-963-148381	Sequence 148381,
44	44	54.3	199	15	US-10-425-114-40325	Sequence 40325, A
45	44	54.3	216	15	US-10-424-599-194227	Sequence 194227,

ALIGNMENTS

RESULT 1
US-10-131-433-1
; Sequence 1, Application US/10131433
; Publication No. US20030054422A1
; GENERAL INFORMATION:
; APPLICANT: UNILEVER, PLC
; TITLE OF INVENTION: Lipopolysaccharide Immunoassay and Test Device
; FILE REFERENCE: Lipopolysaccharide Immunoassay
; CURRENT APPLICATION NUMBER: US/10/131,433
; PRIOR FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US/09/545,180
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Lapine
US-10-131-433-1

Query Match 100.0%; Score 81; DB 14; Length 32;
Best Local Similarity 100.0%; Pred. No. 0.00011;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIKELKKIGKIQGLL 17
Db 12 KIKELKKIGKIQGLL 28

RESULT 2
US-10-060-102-5
; Sequence 5, Application US/10060102
; Publication No. US2003002829A1
; GENERAL INFORMATION:

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; SEQ ID NO 4
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Lepus
US-10-721-829-4

Query Match      72.5%; Score 103; DB 17; Length 29;
Best Local Similarity 69.0%; Pred. No. 1.le-07;
Matches 20; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

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Db   132 RGLRLGRKIAHGKVKGPTVLRIRIAG 29
    : |||: ||| | : |||||: ||||| |

RESULT 13
US-09-917-340-36
; Sequence 36, Application US/09917340
; Patent No. US20020090369A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Christopher J.
; APPLICANT: McNulty, Jonathan F.
; APPLICANT: Reid, Ted W.
; TITLE OF INVENTION: Transplant Media
; FILE REFERENCE: TPLANT-06468
; CURRENT APPLICATION NUMBER: US/09/917,340
; CURRENT FILING DATE: 2001-07-29
; PRIOR APPLICATION NUMBER: 60/221,632
; PRIOR FILING DATE: 2000-07-28
; PRIOR APPLICATION NUMBER: 60/249,602
; PRIOR FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: 60/290,932
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 36
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Ovis aries
US-09-917-340-36

Query Match      72.5%; Score 103; DB 9; Length 160;
Best Local Similarity 69.0%; Pred. No. 6.8e-07;
Matches 20; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

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RESULT 14
US-10-844-837-36
; Sequence 36, Application US/10844837
; Publication No. US20050014932A1
; GENERAL INFORMATION:
; APPLICANT: Imboden, Michael
; APPLICANT: Homan, Jane
; APPLICANT: Bremel, Robert D.
; TITLE OF INVENTION: Targeted Biocides
; FILE REFERENCE: IOGEN-09014
; CURRENT APPLICATION NUMBER: US/10/844,837
; CURRENT FILING DATE: 2004-05-13
; NUMBER OF SEQ ID NOS: 101
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 36
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-844-837-36

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Best Local Similarity 69.0%; Pred. No. 6.8e-07;
Matches 20; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

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Db   132 RGLRLGRKIAHGKVKGPTVLRIRIAG 160
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RESULT 15
US-10-909-119-51
; Sequence 51, Application US/10909119
; Publication No. US20050079578A1
; GENERAL INFORMATION:
; APPLICANT: Centanni, John M.
; APPLICANT: Allen-Hoffmann, Lynn
; TITLE OF INVENTION: Human Skin Equivalents Expressing Exogenous Polypeptides
; FILE REFERENCE: STRATA-09123
; CURRENT APPLICATION NUMBER: US/10/909,119
; CURRENT FILING DATE: 2004-07-30
; NUMBER OF SEQ ID NOS: 128
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 51
; LENGTH: 160
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-909-119-51

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Best Local Similarity 69.0%; Pred. No. 6.8e-07;
Matches 20; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY   1 KNLRRRIIRKIIHIKKYGPTILRIIIG 29
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Db   132 RGLRLGRKIAHGKVKGPTVLRIRIAG 160
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US-10-721-829-16
; Sequence 16, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; PRIOR FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 16
; LENGTH: 23
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-721-829-16

Query Match      73.2%; Score 104; DB 17; Length 23;
Best Local Similarity 100.0%; Pred. No. 5.9e-08;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      3 KIIHIKKYGTILRIIRIG 23
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RESULT 10
US-10-060-102-4
; Sequence 4, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Lepus
US-10-060-102-4
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Query Match      72.5%; Score 103; DB 14; Length 29;
Best Local Similarity 69.0%; Pred. No. 1.1e-07;
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Db      1 RGLRLGRKIAHGKVKYGTPLRLRIIRIAG 29
RGLRLGRKIAHGKVKYGTPLRLRIIRIAG 29

RESULT 11
US-10-721-839-4
; Sequence 4, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; PRIOR FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Lepus
US-10-721-839-4

Query Match      72.5%; Score 103; DB 15; Length 29;
Best Local Similarity 69.0%; Pred. No. 1.1e-07;
Matches 20; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

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Db      1 RGLRLGRKIAHGKVKYGTPLRLRIIRIAG 29
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RESULT 12
US-10-721-829-4
; Sequence 4, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; PRIOR FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
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QY 9 KIIHIKKYGP TILRIIRIIG 29

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 102.536 Seconds
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111.556 Million cell updates/sec

Title: US-09-642-744E-28

Perfect score: 142

Sequence: 1 KNLRRIIRKIIHIKKYGTILRIIRIG 29

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Minimum DB seq length: 0

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

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- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
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- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
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- 19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
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- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	142	100.0	29	15	US-10-721-839-8
3	142	100.0	29	17	US-10-721-829-8
4	104	73.2	21	14	US-10-060-102-17
5	104	73.2	21	15	US-10-721-839-17
6	104	73.2	21	17	US-10-721-829-17
7	104	73.2	23	14	US-10-060-102-16
8	104	73.2	23	15	US-10-721-839-16
9	104	73.2	23	17	US-10-721-829-16
10	103	72.5	29	14	US-10-060-102-4
11	103	72.5	29	15	US-10-721-839-4

12	103	72.5	29	17	US-10-721-829-4	Sequence 4, Appli
13	103	72.5	160	9	US-09-917-340-36	Sequence 36, Appl
14	103	72.5	160	17	US-10-844-837-36	Sequence 36, Appl
15	103	72.5	160	17	US-10-909-119-51	Sequence 51, Appl
16	103	72.5	160	17	US-10-657-851-36	Sequence 36, Appl
17	98	69.0	28	14	US-10-060-102-3	Sequence 3, Appli
18	98	69.0	28	15	US-10-721-839-3	Sequence 3, Appli
19	98	69.0	28	17	US-10-721-829-3	Sequence 3, Appli
20	95	66.9	19	14	US-10-060-102-21	Sequence 21, Appl
21	95	66.9	19	15	US-10-721-839-21	Sequence 21, Appl
22	95	66.9	19	17	US-10-721-829-21	Sequence 21, Appl
23	95	66.9	21	14	US-10-060-102-23	Sequence 23, Appl
24	95	66.9	21	15	US-10-721-839-23	Sequence 23, Appl
25	95	66.9	21	17	US-10-721-829-23	Sequence 23, Appl
26	91	64.1	18	14	US-10-060-102-22	Sequence 22, Appl
27	91	64.1	18	15	US-10-721-839-22	Sequence 22, Appl
28	91	64.1	18	17	US-10-721-829-22	Sequence 22, Appl
29	91	64.1	20	14	US-10-060-102-24	Sequence 24, Appl
30	91	64.1	20	15	US-10-721-839-24	Sequence 24, Appl
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33	90	63.4	18	9	US-09-840-009-9	Sequence 9, Appli
34	90	63.4	18	9	US-09-840-009-16	Sequence 16, Appl
35	90	63.4	18	9	US-09-840-009-23	Sequence 23, Appl
36	90	63.4	18	9	US-09-840-009-30	Sequence 30, Appl
37	90	63.4	18	14	US-10-060-102-9	Sequence 9, Appli
38	90	63.4	18	14	US-10-060-102-12	Sequence 12, Appl
39	90	63.4	18	15	US-10-721-839-9	Sequence 9, Appli
40	90	63.4	18	15	US-10-721-839-12	Sequence 12, Appl
41	90	63.4	18	17	US-10-721-829-9	Sequence 9, Appli
42	90	63.4	18	17	US-10-721-829-12	Sequence 12, Appl
43	88	62.0	18	14	US-10-060-102-10	Sequence 10, Appl
44	88	62.0	18	14	US-10-060-102-11	Sequence 11, Appl
45	88	62.0	18	15	US-10-721-839-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1

US-10-060-102-8
; Sequence 8, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 29
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-8

Query Match 100.0%; Score 142; DB 14; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.4e-13;
Matches 29; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-5

Query Match 59.3%; Score 64; DB 16; Length 173;
Best Local Similarity 78.9%; Pred. No. 1.2;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 4 LRKFRNKIKKKKIGQKI 22
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Db 142 LRKGGEKIGKKKIGQKI 160

RESULT 15
US-10-389-566-1171
; Sequence 1171, Application US/10389566
; Publication No. US20040025202A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology, LLC
; TITLE OF INVENTION: Nucleic Acid Molecules Associated with Oil in Plants
; FILE REFERENCE: 38-77(52900)D
; CURRENT APPLICATION NUMBER: US/10/389,566
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: US 60/365,301
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/391,786
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/392,018
; PRIOR FILING DATE: 2002-06-26
; NUMBER OF SEQ ID NOS: 2459
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1171
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Brassica napus
US-10-389-566-1171

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Matches 10; Conservative 7; Mismatches 3; Indels 0; Gaps 0;

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Db 196 RLKQLQEKVQKQKIGSKI 215

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Job time : 78.8357 secs

; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 599
; LENGTH: 36
; TYPE: PR1
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-470-048B-599

Query Match 59.3%; Score 64; DB 17; Length 36;
Best Local Similarity 78.9%; Pred. No. 0.25; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 4;

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RESULT 11

US-10-060-102-1
; Sequence 1, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: PR1
; ORGANISM: Mus musculus
US-10-060-102-1

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Best Local Similarity 78.9%; Pred. No. 0.27; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 4;

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Db 8 LRKGGEKIGKLLKKGQKI 26

RESULT 12

US-10-721-839-1
; Sequence 1, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102

; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: PR1
; ORGANISM: Mus musculus
US-10-721-839-1

Query Match 59.3%; Score 64; DB 15; Length 39;
Best Local Similarity 78.9%; Pred. No. 0.27; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 4;

Qy 4 LRKFRNKIKEKLLKKGQKI 22
||| |||||
Db 8 LRKGGEKIGKLLKKGQKI 26

RESULT 13

US-10-721-829-1
; Sequence 1, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
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; ORGANISM: Mus musculus
US-10-721-829-1

Query Match 59.3%; Score 64; DB 17; Length 39;
Best Local Similarity 78.9%; Pred. No. 0.27; Indels 0; Gaps 0;
Matches 15; Conservative 0; Mismatches 4;

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Db 8 LRKGGEKIGKLLKKGQKI 26

RESULT 14

US-10-344-709C-5
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; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.

; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; FILE REFERENCE: SONN:030US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529

```
; Sequence 7, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; FILE REFERENCE: derived antimicrobial peptide or a derivative thereof
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-7

Query Match      100.0%; Score 108; DB 16; Length 171;
Best Local Similarity 100.0%; Pred. No. 2.3e-06;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 RKRLRFRNKIKEKLLKIGQKI 22
Db      137 RKRLRFRNKIKEKLLKIGQKI 158

RESULT 7
US-10-399-442A-2
; Sequence 2, Application US/10399442A
; Publication No. US20050063578A1
; GENERAL INFORMATION:
; APPLICANT: Jorg Fritz et al.
; TITLE OF INVENTION: Vaccine Composition Comprising an Antigen and a Peptide
; FILE REFERENCE: Having Adjuvant Properties
; CURRENT APPLICATION NUMBER: US/10/399,442A
; CURRENT FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: PCT/EP01/12041
; PRIOR FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: Austrian A 1789/00
; PRIOR FILING DATE: 2000-10-18
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-399-442A-2

Query Match      59.3%; Score 64; DB 17; Length 31;
Best Local Similarity 78.9%; Pred. No. 0.21;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy      4 LRKFRNKIKEKLLKIGQKI 22
Db      6 LRKGGEKIGEKLLKIGQKI 24

RESULT 8
US-10-344-709C-1
; Sequence 1, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
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; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; FILE REFERENCE: derived antimicrobial peptide or a derivative thereof
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-1

Query Match      59.3%; Score 64; DB 16; Length 32;
Best Local Similarity 78.9%; Pred. No. 0.22;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy      4 LRKFRNKIKEKLLKIGQKI 22
Db      7 LRKGGEKIGEKLLKIGQKI 25

RESULT 9
US-10-478-771A-4
; Sequence 4, Application US/10478771A
; Publication No. US20040248831A1
; GENERAL INFORMATION:
; APPLICANT: LINGNAU, KAREN
; APPLICANT: SCHELLACK
; APPLICANT: SCHMIDT, WALTER
; TITLE OF INVENTION: IMMUNOSTIMULATORY OLIGODEOXYNUCLEIC MOLECULES
; FILE REFERENCE: SONN:042US
; CURRENT APPLICATION NUMBER: US/10/478,771A
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: PCT/EP02/05448
; PRIOR FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: A805/2001
; PRIOR FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-478-771A-4

Query Match      59.3%; Score 64; DB 16; Length 36;
Best Local Similarity 78.9%; Pred. No. 0.25;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy      4 LRKFRNKIKEKLLKIGQKI 22
Db      6 LRKGGEKIGEKLLKIGQKI 24

RESULT 10
US-10-470-048B-599
; Sequence 599, Application US/10470048B
; Publication No. US20050037444A1
; GENERAL INFORMATION:
; APPLICANT: MEINKE ET AL.
; TITLE OF INVENTION: A METHOD FOR IDENTIFICATION, ISOLATION AND PRODUCTION OF
; FILE REFERENCE: SONN:035US
; CURRENT APPLICATION NUMBER: US/10/470,048B
; CURRENT FILING DATE: 2003-07-25
; NUMBER OF SEQ ID NOS: 603
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Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	108	100.0	32	14	US-10-131-433-1	Sequence 1, Appli
2	108	100.0	37	14	US-10-060-102-5	Sequence 5, Appli
3	108	100.0	37	15	US-10-721-839-5	Sequence 5, Appli
4	108	100.0	37	16	US-10-344-709C-15	Sequence 15, Appl
5	108	100.0	37	17	US-10-721-829-5	Sequence 5, Appli
6	108	100.0	171	16	US-10-344-709C-7	Sequence 7, Appli
7	64	59.3	31	17	US-10-399-442A-2	Sequence 2, Appli
8	64	59.3	32	16	US-10-344-709C-1	Sequence 1, Appli
9	64	59.3	36	16	US-10-478-771A-4	Sequence 4, Appli
10	64	59.3	36	17	US-10-470-048B-599	Sequence 599, Appl
11	64	59.3	39	14	US-10-060-102-1	Sequence 1, Appli

Search completed: September 12, 2005, 21:37:57
Job time : 46.0143 secs

; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-20

Query Match 100.0%; Score 62; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
|||||
Db 2 RRIIRKIIHIKK 14

RESULT 13
US-10-060-102-14
; Sequence 14, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-14

Query Match 100.0%; Score 62; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0023;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
|||||
Db 3 RRIIRKIIHIKK 15

RESULT 14
US-10-060-102-15
; Sequence 15, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK

; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-15

Query Match 100.0%; Score 62; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0023;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
|||||
Db 3 RRIIRKIIHIKK 15

RESULT 15
US-10-721-839-14
; Sequence 14, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-14

Query Match 100.0%; Score 62; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0023;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
|||||
Db 3 RRIIRKIIHIKK 15

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-18

Query Match 100.0%; Score 62; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
| | | | | | | | | |
Db 2 RRIIRKIIHIKK 14
| | | | | | | | | |

RESULT 11

US-10-721-829-19
; Sequence 19, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALIAN
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-19

Query Match 100.0%; Score 62; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
| | | | | | | | | |
Db 2 RRIIRKIIHIKK 14
| | | | | | | | | |

RESULT 12

US-10-721-829-20
; Sequence 20, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALIAN
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2002-02-22

RESULT 9

US-10-721-829-13
; Sequence 13, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALIAN
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-13

Query Match 100.0%; Score 62; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
| | | | | | | | | |
Db 2 RRIIRKIIHIKK 14
| | | | | | | | | |

RESULT 10

US-10-721-829-18
; Sequence 18, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALIAN
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-13

Query Match 100.0%; Score 62; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
| | | | | | | | | | | | | |
Db 2 RRIIRKIIHIKK 14

RESULT 6

US-10-721-839-18
; Sequence 18, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-721-839-18

Query Match 100.0%; Score 62; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
| | | | | | | | | | | | | |
Db 2 RRIIRKIIHIKK 14

RESULT 7

US-10-721-839-19
; Sequence 19, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK

; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-19

Query Match 100.0%; Score 62; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
| | | | | | | | | | | | | |
Db 2 RRIIRKIIHIKK 14

RESULT 8

US-10-721-839-20
; Sequence 20, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-20

Query Match 100.0%; Score 62; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
| | | | | | | | | | | | | |
Db 2 RRIIRKIIHIKK 14


```
Qy 1 RRIIRKIIHIKK 13
    |||||
Db 2 RRIIRKIIHIKK 14

RESULT 2
US-10-060-102-18
; Sequence 18, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-18

Query Match 100.0%; Score 62; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
    |||||
Db 2 RRIIRKIIHIKK 14

RESULT 3
US-10-060-102-19
; Sequence 19, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-19

Query Match 100.0%; Score 62; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
    |||||
Db 2 RRIIRKIIHIKK 14

RESULT 4
US-10-060-102-20
; Sequence 20, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-20

Query Match 100.0%; Score 62; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
    |||||
Db 2 RRIIRKIIHIKK 14

RESULT 5
US-10-721-839-13
; Sequence 13, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
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; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-19

Query Match 100.0%; Score 62; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
    |||||
Db 2 RRIIRKIIHIKK 14

RESULT 4
US-10-060-102-20
; Sequence 20, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-20

Query Match 100.0%; Score 62; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
    |||||
Db 2 RRIIRKIIHIKK 14

RESULT 5
US-10-721-839-13
; Sequence 13, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 45.9643 Seconds
(without alignments)
111.556 Million cell updates/sec

Title: US-09-642-744E-16
Perfect score: 62
Sequence: 1 RRIIRKIHIIKK 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1777461 seqs, 394431504 residues

Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*
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16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
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18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
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22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	62	100.0	14	14	US-10-060-102-19
4	62	100.0	14	14	US-10-060-102-20
5	62	100.0	14	15	US-10-721-839-13
6	62	100.0	14	15	US-10-721-839-18
7	62	100.0	14	15	US-10-721-839-19
8	62	100.0	14	15	US-10-721-839-20
9	62	100.0	14	17	US-10-721-829-13
10	62	100.0	14	17	US-10-721-829-18
11	62	100.0	14	17	US-10-721-829-19

12	62	100.0	14	17	US-10-721-829-20	Sequence 20, Appl
13	62	100.0	16	14	US-10-060-102-14	Sequence 14, Appl
14	62	100.0	16	14	US-10-060-102-15	Sequence 15, Appl
15	62	100.0	16	15	US-10-721-839-14	Sequence 14, Appl
16	62	100.0	16	15	US-10-721-839-15	Sequence 15, Appl
17	62	100.0	16	17	US-10-721-829-14	Sequence 14, Appl
18	62	100.0	16	17	US-10-721-829-15	Sequence 15, Appl
19	62	100.0	18	9	US-09-840-009-2	Sequence 2, Appl
20	62	100.0	18	9	US-09-840-009-9	Sequence 9, Appl
21	62	100.0	18	9	US-09-840-009-16	Sequence 16, Appl
22	62	100.0	18	9	US-09-840-009-23	Sequence 23, Appl
23	62	100.0	18	9	US-09-840-009-30	Sequence 30, Appl
24	62	100.0	18	14	US-10-060-102-9	Sequence 9, Appl
25	62	100.0	18	14	US-10-060-102-10	Sequence 10, Appl
26	62	100.0	18	14	US-10-060-102-11	Sequence 11, Appl
27	62	100.0	18	14	US-10-060-102-12	Sequence 12, Appl
28	62	100.0	18	15	US-10-721-839-9	Sequence 9, Appl
29	62	100.0	18	15	US-10-721-839-10	Sequence 10, Appl
30	62	100.0	18	15	US-10-721-839-11	Sequence 11, Appl
31	62	100.0	18	15	US-10-721-839-12	Sequence 12, Appl
32	62	100.0	18	17	US-10-721-829-9	Sequence 9, Appl
33	62	100.0	18	17	US-10-721-829-10	Sequence 10, Appl
34	62	100.0	18	17	US-10-721-829-11	Sequence 11, Appl
35	62	100.0	18	17	US-10-721-829-12	Sequence 12, Appl
36	62	100.0	29	14	US-10-060-102-8	Sequence 8, Appl
37	62	100.0	29	15	US-10-721-839-8	Sequence 8, Appl
38	62	100.0	29	17	US-10-721-829-8	Sequence 8, Appl
39	57	91.9	18	9	US-09-840-009-4	Sequence 4, Appl
40	57	91.9	18	9	US-09-840-009-8	Sequence 8, Appl
41	57	91.9	18	9	US-09-840-009-11	Sequence 11, Appl
42	57	91.9	18	9	US-09-840-009-15	Sequence 15, Appl
43	57	91.9	18	9	US-09-840-009-18	Sequence 18, Appl
44	57	91.9	18	9	US-09-840-009-22	Sequence 22, Appl
45	57	91.9	18	9	US-09-840-009-25	Sequence 25, Appl

ALIGNMENTS

RESULT 1
US-10-060-102-13
; Sequence 13, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA.035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-13

Query Match 100.0%; Score 62; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-5

Query Match      76.7%; Score 56; DB 16; Length 173;
Best Local Similarity 85.7%; Pred. No. 1.9;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KIKEKLLKIGQKIQ 14
Db      148 KIGEKLLKIGQKIK 161

RESULT 15
US-10-269-171A-2
; Sequence 2, Application US/10269171A
; Publication No. US20030095979A1
; GENERAL INFORMATION:
; APPLICANT: Frank Mattner
; APPLICANT: Wolfgang Zauner
; APPLICANT: Walter Schmidt
; APPLICANT: Michael Buschle
; TITLE OF INVENTION: Pharmaceutical preparations comprising modified
; FILE REFERENCE: SONN:020US
; CURRENT APPLICATION NUMBER: US/10/269,171A
; CURRENT FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: PCT/EP01/04313
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
; NAME/KEY: MOD RES
; LOCATION: (22)
; OTHER INFORMATION: Xaa = anything
US-10-269-171A-2

Query Match      68.5%; Score 50; DB 14; Length 36;
Best Local Similarity 78.6%; Pred. No. 3;
Matches 11; Conservative 1; Mismatches 2; Indels 0; Gaps 0;

Qy      1 KIKEKLLKIGQKIQ 14
Db      12 KIGEKLLKIGXKIK 25

Search completed: September 12, 2005, 21:38:00
Job time : 54.0857 secs
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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 599
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description
US-10-470-048B-599
US-10-470-048B-599

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Query Match          76.7%; Score 56; DB 17; Length 36;
Best Local Similarity 85.7%; Pred. No. 0.4;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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Qy 1 K I K E K L K K I G Q K I Q 14
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Db 12 K I G E K L K K I G O K I K 25

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RESULT 11
US-10-060-102-1
; Sequence 1, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIV
; TITLE OF INVENTION: CATHALICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-060-102-1

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Query Match 76.7%; Score 56; DB 14; Length 39;
Best Local Similarity 85.7%; Pred. No. 0.44;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 K I K E K L K K I G Q K I Q 14
14 K I G E K L K K I G O K I K 27

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RESULT 12
US-10-721-839-1
; Sequence 1, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:0305
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102

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; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: prt
; ORGANISM: Mus musculus
US-10-721-839-1

```

Query Match 76.7%; Score 56; DB 15; Length 39;
Best Local Similarity 85.7%; Pred. No. 0.44;
Matches 12; Conservative 1; Mismatches 1; Indels

Qy 1 K I K E K L K K I G Q K I Q 14
|||
Db 14 K I G E K L K K I G Q K I K 27

```

RESULT 13
US-10-721-829-1
; Sequence 1, Application US/10721829
; Publication No. US2005011376A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-721-829-1

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Query Match 76.7%; Score 56; DB 17; Length 39;
Best Local Similarity 85.7%; Pred. No. 0.44;
Matches 12: Conservative 1; Mismatches 1; Indels

Qy 1 K I K E L K K I G Q K I Q 14
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pb 14 K I G E L K K I G O K I K 27

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RESULT 14
US-10-344-709C-5
; Sequence 5, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL
; TITLE OF INVENTION: Vaccine which comprise
; TITLE OF INVENTION: derived antimicrobial
; FILE REFERENCE: SONN:0300S
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529

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; APPLICANT: TACK, BRIAN
 ; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMAL
 ; TITLE OF INVENTION: CATHELICIDINS
 ; FILE REFERENCE: IOWA:035US
 ; CURRENT APPLICATION NUMBER: US/10/721,839
 ; CURRENT FILING DATE: 2003-11-25
 ; PRIOR APPLICATION NUMBER: US/10/060,102

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; APPLICANT: JORG FRITZ ET AL.
;
; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
;
; TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
;
; FILE REFERENCE: SONN:030US
;
; CURRENT APPLICATION NUMBER: US/10/344,709C
;
; CURRENT FILING DATE: 2003-02-14
;
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
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; Sequence 7, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
; FILE REFERENCE: SONN:030US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-7

Query Match      100.0%; Score 73; DB 16; Length 171;
Best Local Similarity 100.0%; Pred. No. 0.0063;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 KIKEKLKKIGQKIQ 15
Db      146 KIKEKLKKIGQKIQ 160

RESULT 7
US-10-399-442A-2
; Sequence 2, Application US/10399442A
; Publication No. US20050063578A1
; GENERAL INFORMATION:
; APPLICANT: Jorg Fritz et al.
; TITLE OF INVENTION: Vaccine Composition Comprising an Antigen and a Peptide
; TITLE OF INVENTION: Having Adjuvant Properties
; FILE REFERENCE: SONN:031US
; CURRENT APPLICATION NUMBER: US/10/399,442A
; CURRENT FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: PCT/EP01/12041
; PRIOR FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: Austrian A 1789/00
; PRIOR FILING DATE: 2000-10-18
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-399-442A-2

Query Match      76.7%; Score 56; DB 17; Length 31;
Best Local Similarity 85.7%; Pred. No. 0.35;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KIKEKLKKIGQKIQ 14
Db      12 KIKEKLKKIGQKIX 25

RESULT 8
US-10-344-709C-1
; Sequence 1, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
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; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
; FILE REFERENCE: SONN:030US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-1

Query Match      76.7%; Score 56; DB 16; Length 32;
Best Local Similarity 85.7%; Pred. No. 0.36;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KIKEKLKKIGQKIQ 14
Db      13 KIGEKLKKIGQKIX 26

RESULT 9
US-10-478-771A-4
; Sequence 4, Application US/10478771A
; Publication No. US20040248831A1
; GENERAL INFORMATION:
; APPLICANT: LINGNAU, KAREN
; APPLICANT: SCHELLACK
; APPLICANT: SCHMIDT, WALTER
; TITLE OF INVENTION: IMMUNOSTIMULATORY OLIGODEOXYNUCLEIC MOLECULES
; FILE REFERENCE: SONN:042US
; CURRENT APPLICATION NUMBER: US/10/478,771A
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: PCT/EP02/05448
; PRIOR FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: A805/2001
; PRIOR FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-478-771A-4

Query Match      76.7%; Score 56; DB 16; Length 36;
Best Local Similarity 85.7%; Pred. No. 0.4;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KIKEKLKKIGQKIQ 14
Db      12 KIGEKLKKIGQKIX 25

RESULT 10
US-10-470-048B-599
; Sequence 599, Application US/10470048B
; Publication No. US20050037444A1
; GENERAL INFORMATION:
; APPLICANT: MEINKKE ET AL.
; TITLE OF INVENTION: A METHOD FOR IDENTIFICATION, ISOLATION AND PRODUCTION OF
; TITLE OF INVENTION: ANTIGENS TO A SPECIFIC PATHOGEN
; FILE REFERENCE: SONN:035US
; CURRENT APPLICATION NUMBER: US/10/470,048B
; CURRENT FILING DATE: 2003-07-25
; NUMBER OF SEQ ID NOS: 603
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; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-060-102-5

Query Match 100.0%; Score 73; DB 14; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.0014;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIKEKLKKGKIQG 15
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Db 12 KIKEKLKKGKIQG 26

RESULT 3

US-10-721-839-5
; Sequence 5, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-721-839-5

Query Match 100.0%; Score 73; DB 15; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.0014;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIKEKLKKGKIQG 15
| | | | | | | | | | | | | | | |
Db 12 KIKEKLKKGKIQG 26

RESULT 4

US-10-344-709C-15

; Sequence 15, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
; FILE REFERENCE: SONN:030US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-15

Query Match 100.0%; Score 73; DB 16; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.0014;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIKEKLKKGKIQG 15
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Db 12 KIKEKLKKGKIQG 26

RESULT 5

US-10-721-829-5
; Sequence 5, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-721-829-5

Query Match 100.0%; Score 73; DB 17; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.0014;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIKEKLKKGKIQG 15
| | | | | | | | | | | | | | | |
Db 12 KIKEKLKKGKIQG 26

RESULT 6

US-10-344-709C-7

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 53.0357 Seconds
(without alignments)
111.556 Million cell updates/sec

Title: US-09-642-744E-25

Perfect score: 73

Sequence: 1 KIKELKKIGKIQG 15

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1777461 seqs, 394431504 residues

Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/US07_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
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- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
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- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
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- 18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
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- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	73	100.0	32	14 US-10-131-433-1	Sequence 1, Appli
2	73	100.0	37	14 US-10-060-102-5	Sequence 5, Appli
3	73	100.0	37	15 US-10-721-839-5	Sequence 5, Appli
4	73	100.0	37	16 US-10-344-709C-15	Sequence 5, Appli
5	73	100.0	37	17 US-10-721-829-2	Sequence 5, Appli
6	73	100.0	171	16 US-10-344-709C-7	Sequence 7, Appli
7	56	76.7	31	17 US-10-399-442A-2	Sequence 2, Appli
8	56	76.7	32	16 US-10-344-709C-1	Sequence 1, Appli
9	56	76.7	36	16 US-10-478-771A-4	Sequence 4, Appli
10	56	76.7	36	17 US-10-470-048B-599	Sequence 599, App
11	56	76.7	39	14 US-10-060-102-1	Sequence 1, Appli

12	56	76.7	39	15 US-10-721-839-1	Sequence 1, Appli
13	56	76.7	39	17 US-10-721-829-1	Sequence 1, Appli
14	56	76.7	173	16 US-10-344-709C-5	Sequence 5, Appli
15	50	68.5	36	14 US-10-269-171A-2	Sequence 2, Appli
16	49	67.1	39	14 US-10-060-102-2	Sequence 2, Appli
17	49	67.1	39	15 US-10-721-839-2	Sequence 2, Appli
18	49	67.1	39	17 US-10-721-829-2	Sequence 2, Appli
19	48	65.8	324	15 US-10-389-566-1171	Sequence 1171, Ap
20	48	65.8	326	14 US-10-233-926-25	Sequence 25, Appli
21	48	65.8	326	15 US-10-389-566-1172	Sequence 1172, Ap
22	47	64.4	205	18 US-10-394-726-628	Sequence 628, App
23	47	64.4	228	18 US-10-394-726-627	Sequence 627, App
24	47	64.4	306	18 US-10-724-972A-6154	Sequence 6154, Ap
25	46	63.0	194	14 US-10-233-926-6	Sequence 6, Appli
26	46	63.0	318	15 US-10-389-566-673	Sequence 673, App
27	46	63.0	318	15 US-10-389-566-674	Sequence 674, App
28	46	63.0	363	14 US-10-233-926-20	Sequence 20, Appli
29	46	63.0	1156	15 US-10-369-493-43	Sequence 43, Appli
30	45	61.6	157	16 US-10-767-701-47315	Sequence 47315, A
31	45	61.6	329	14 US-10-233-926-24	Sequence 24, Appli
32	45	61.6	329	15 US-10-389-566-1173	Sequence 1173, Ap
33	45	61.6	331	14 US-10-233-926-23	Sequence 23, Appli
34	45	61.6	331	15 US-10-389-566-1174	Sequence 1174, Ap
35	45	61.6	569	16 US-10-425-115-340213	Sequence 340213, A
36	45	61.6	663	15 US-10-282-122A-51673	Sequence 51673, A
37	44	60.3	60	16 US-10-437-963-148381	Sequence 148381, A
38	44	60.3	387	17 US-10-472-928-2252	Sequence 2252, Ap
39	44	60.3	477	16 US-10-437-963-184421	Sequence 184421, A
40	44	60.3	829	15 US-10-369-493-5082	Sequence 5082, Ap
41	43	58.9	79	15 US-10-424-599-225574	Sequence 225574, A
42	43	58.9	428	9 US-09-861-696-42	Sequence 42, Appli
43	43	58.9	428	9 US-09-464-099A-42	Sequence 42, Appli
44	43	58.9	428	15 US-10-369-493-23174	Sequence 23174, A
45	43	58.9	447	17 US-10-732-923-20250	Sequence 20250, A

ALIGNMENTS

RESULT 1
US-10-131-433-1
; Sequence 1, Application US/10131433
; Publication No. US20030054422A1
; GENERAL INFORMATION:
; APPLICANT: UNILEVER, PLC
; TITLE OF INVENTION: Lipopolysaccharide Immunoassay and Test Device
; FILE REFERENCE: Lipopolysaccharide Immunoassay
; CURRENT APPLICATION NUMBER: US/10/131,433
; PRIOR FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US/09/545,180
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Lapine
; US-10-131-433-1

Query Match 100.0%; Score 73; DB 14; Length 32;
Best Local Similarity 100.0%; Pred. No. 0.0012;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 KIKELKKIGKIQG 15
| | | | | | | | | | | | | | |
Db 12 KIKELKKIGKIQG 26

RESULT 2
US-10-060-102-5
; Sequence 5, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:

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; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 43955
; LENGTH: 497
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-282-122A-43955

Query Match      64.0%; Score 48; DB 15; Length 497;
Best Local Similarity 64.3%; Pred. No. 97;
Matches 9; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy      2 KFRNKIKEKLKIG 15
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Db      393 KFRDKILDKLEKMG 406

RESULT 10
US-10-860-291-14
; Sequence 14, Application US/10860291
; Publication No. US20040268436A1
; GENERAL INFORMATION:
; APPLICANT: E.I. DuPont de Nemours and Company, Inc.
; APPLICANT: Tao, Luan
; TITLE OF INVENTION: Method for Production of C30 Aldehyde Carotenoids
; FILE REFERENCE: C12153 US NA
; CURRENT APPLICATION NUMBER: US/10/860,291
; CURRENT FILING DATE: 2004-06-03
; PRIOR APPLICATION NUMBER: US 60/475,743
; PRIOR FILING DATE: 2003-06-04
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 14
; LENGTH: 497
; TYPE: PRT
; ORGANISM: Staphylococcus aureus
US-10-860-291-14

Query Match      64.0%; Score 48; DB 16; Length 497;
Best Local Similarity 64.3%; Pred. No. 97;
Matches 9; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy      2 KFRNKIKEKLKIG 15
      |||:||:|:||:|
Db      393 KFRDKILDKLEKMG 406

RESULT 11
US-10-767-701-44345
; Sequence 44345, Application US/10767701
; Publication No. US20040172684A1
; GENERAL INFORMATION:
; APPLICANT: Kovalic, David K.
; APPLICANT: Zhou, Yihua
; APPLICANT: Cao, Yongwei
; TITLE OF INVENTION: Nucleic Acid Molecules and Other Molecules Associated with
; TITLE OF INVENTION: Plants and Uses Thereof For Plant Improvement
; FILE REFERENCE: 38-21(53535)B
; CURRENT APPLICATION NUMBER: US/10/767,701
; CURRENT FILING DATE: 2004-01-29
; NUMBER OF SEQ ID NOS: 63128
; SEQ ID NO 44345
; LENGTH: 443
; TYPE: PRT
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; ORGANISM: Sorghum bicolor
; FEATURE:
; OTHER INFORMATION: Clone ID: SORBI-28MAY03-C15544_1.pep
US-10-767-701-44345

Query Match      62.7%; Score 47; DB 16; Length 443;
Best Local Similarity 83.3%; Pred. No. 1.2e+02;
Matches 10; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      2 KFRNKIKEKLK 13
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Db      104 KQRNKIKEKLEK 115

RESULT 12
US-10-282-122A-52284
; Sequence 52284, Application US/10282122A
; Publication No. US20040029129A1
; GENERAL INFORMATION:
; APPLICANT: Wang, Liangsu
; APPLICANT: Zamudio, Carlos
; APPLICANT: Malone, Cheryl
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlsen, Karl
; APPLICANT: Zyskind, Judith
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John
; APPLICANT: Carr, Grant
; APPLICANT: Yamamoto, Robert
; APPLICANT: Forsyth, R.
; APPLICANT: Xu, H.
; TITLE OF INVENTION: Identification of Essential Genes in Microorganisms
; FILE REFERENCE: ELITRA.034A
; CURRENT APPLICATION NUMBER: US/10/282,122A
; CURRENT FILING DATE: 2003-02-20
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/230,335
; PRIOR FILING DATE: 2000-09-06
; PRIOR APPLICATION NUMBER: 60/230,347
; PRIOR FILING DATE: 2000-09-09
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/267,636
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 78614
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 52284
; LENGTH: 881
; TYPE: PRT
; ORGANISM: Clostridium botulinum
US-10-282-122A-52284

Query Match      62.7%; Score 47; DB 15; Length 881;
Best Local Similarity 50.8%; Pred. No. 2.4e+02;
Matches 7; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

Qy      2 KFRNKIKEKLKIG 15
      :|||:||:|:||:|
Db      125 EYRNKIENQIKLKG 138
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Query Match
64.0%; Score 48; DB 9; Length 439;

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1  APPLICANT:  AUL, R.
2  TITLE OF INVENTION:  Identification of Essential Genes in Microorganisms
3  FILE REFERENCE:  ELITRA.034A
4  CURRENT APPLICATION NUMBER:  US/10/282,122A
5  CURRENT FILING DATE:  2003-02-20
6  PRIOR APPLICATION NUMBER:  60/191,078
7  PRIOR FILING DATE:  2000-03-21
8  PRIOR APPLICATION NUMBER:  60/206,848
9  PRIOR FILING DATE:  2000-05-23
10 PRIOR APPLICATION NUMBER:  60/207,727
11 PRIOR FILING DATE:  2000-05-26
12 PRIOR APPLICATION NUMBER:  60/230,335
13 PRIOR FILING DATE:  2000-09-06
14 PRIOR APPLICATION NUMBER:  60/230,347
15 PRIOR FILING DATE:  2000-09-09
16 PRIOR APPLICATION NUMBER:  60/242,578
17 PRIOR FILING DATE:  2000-10-23
18 PRIOR APPLICATION NUMBER:  60/253,625

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; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-060-102-5

Query Match 100.0%; Score 75; DB 14; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.00097;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 7 RKFRNKIKEKLLKKG 21

RESULT 3

US-10-721-839-5
; Sequence 5, Application US/10721839
; Publication No. US2004008535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US

; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries

US-10-721-839-5

Query Match 100.0%; Score 75; DB 15; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.00097;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RKFRNKIKEKLLKKG 15
Db 7 RKFRNKIKEKLLKKG 21

RESULT 4

US-10-344-709C-15

; Sequence 15, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
; FILE REFERENCE: SONN:0300US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-15

Query Match 100.0%; Score 75; DB 16; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.00097;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RKFRNKIKEKLLKKG 15
Db 7 RKFRNKIKEKLLKKG 21

RESULT 5

US-10-721-829-5
; Sequence 5, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US

; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries

US-10-721-829-5

Query Match 100.0%; Score 75; DB 17; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.00097;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RKFRNKIKEKLLKKG 15
Db 7 RKFRNKIKEKLLKKG 21

RESULT 6

US-10-344-709C-7

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; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-5

Query Match      62.5%; Score 65; DB 16; Length 173;
Best Local Similarity 75.0%; Pred. No. 0.58;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY      1 LKFRNKIKEKLGKIGQKIQ 20
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DB      142 LKGGKEKIGKLGKIGQKIK 161

RESULT 15
US-10-389-566-1171
; Sequence 1171, Application US/10389566
; Publication No. US20040025202A1
; GENERAL INFORMATION:
; APPLICANT: Monsanto Technology, LLC
; APPLICANT: Laurie, Cathy C
; TITLE OF INVENTION: Nucleic Acid Molecules Associated with Oil in Plants
; FILE REFERENCE: 38-77(52900)D
; CURRENT APPLICATION NUMBER: US/10/389,566
; CURRENT FILING DATE: 2003-03-31
; PRIOR APPLICATION NUMBER: US 60/365,301
; PRIOR FILING DATE: 2002-03-15
; PRIOR APPLICATION NUMBER: US 60/391,786
; PRIOR FILING DATE: 2002-06-25
; PRIOR APPLICATION NUMBER: US 60/392,018
; PRIOR FILING DATE: 2002-06-26
; NUMBER OF SEQ ID NOS: 2459
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1171
; LENGTH: 324
; TYPE: PRT
; ORGANISM: Brassica napus
US-10-389-566-1171

Query Match      57.7%; Score 60; DB 15; Length 324;
Best Local Similarity 50.0%; Pred. No. 5.1;
Matches 10; Conservative 7; Mismatches 3; Indels 0; Gaps 0;

QY      1 LKFRNKIKEKLGKIGQKIQ 20
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DB      197 LKQLQKVKQKQKIGKIGQKIQ 216

Search completed: September 12, 2005, 21:37:59
Job time : 75.3 secs
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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 599
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description
; OTHER INFORMATION: Peptide
US-470-049B-599

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Query Match      62.5%; Score 65; DB 17; Length 36;
Best Local Similarity 75.0%; Pred. No. 0.12;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
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RESULT 11
US-10-060-102-1
; Sequence 1, Application US/10060102
; Publication No. US2003022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-060-102-1

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RESULT 12
US-10-721-839-1
/ Sequence 1, Application US/10721839
/ Publication No. US20040086535A1
/ GENERAL INFORMATION:
/ APPLICANT: MAURY, WENDY
/ APPLICANT: STAPLETON, JACK
/ APPLICANT: ROLLER, RICHARD
/ APPLICANT: STINSKI, MARK
/ APPLICANT: MCCRAY, PAUL B.
/ APPLICANT: TACK, BRIAN
/ TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEPENSINS AND MAMMALIAN
/ TITLE OF INVENTION: CATHELICIDINS
/ FILE REFERENCE: IOWA:0350S
/ CURRENT APPLICATION NUMBER: US/10/721,839
/ CURRENT FILING DATE: 2003-11-25
/ PRIOR APPLICATION NUMBER: US/10/060.102

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; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: prt
; ORGANISM: Mus musculus
US-10-721-839-1

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RESULT 13
US-10-721-829-1
; Sequence 1, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:0350S
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-721-829-1

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RESULT 14
US-10-344-709C-5
; Sequence 5, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
; TITLE OF INVENTION: Vaccine which c
; TITLE OF INVENTION: derived anti
; FILE REFERENCE: SONN:0300S
; CURRENT APPLICATION NUMBER: US/10/3
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/

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; Sequence 7, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
; FILE REFERENCE: SONN:030US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 171
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-7

Query Match      100.0%; Score 104; DB 16; Length 171;
Best Local Similarity 100.0%; Pred. No. 3.4e-06;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LKFRNKIKEKLLKKGQKIQ 21
Db 140 LKFRNKIKEKLLKKGQKIQ 160

RESULT 7
US-10-399-442A-2
; Sequence 2, Application US/10399442A
; Publication No. US20050063978A1
; GENERAL INFORMATION:
; APPLICANT: Jorg Fritz et al.
; TITLE OF INVENTION: Vaccine Composition Comprising an Antigen and a Peptide
; TITLE OF INVENTION: Having Adjuvant Properties
; FILE REFERENCE: SONN:031US
; CURRENT APPLICATION NUMBER: US/10/399,442A
; CURRENT FILING DATE: 2003-04-17
; PRIOR APPLICATION NUMBER: PCT/EP01/12041
; PRIOR FILING DATE: 2001-10-18
; PRIOR APPLICATION NUMBER: Austrian A 1789/00
; PRIOR FILING DATE: 2000-10-18
; NUMBER OF SEQ ID NOS: 17
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 31
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-399-442A-2

Query Match      62.5%; Score 65; DB 17; Length 31;
Best Local Similarity 75.0%; Pred. No. 0.1;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 LKFRNKIKEKLLKKGQKIQ 20
Db 6 LKRGGEKIGEKLLKKGQKIK 25

RESULT 8
US-10-344-709C-1
; Sequence 1, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
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; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
; FILE REFERENCE: SONN:030US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-1

Query Match      62.5%; Score 65; DB 16; Length 32;
Best Local Similarity 75.0%; Pred. No. 0.1;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 LKFRNKIKEKLLKKGQKIQ 20
Db 7 LKRGGEKIGEKLLKKGQKIK 26

RESULT 9
US-10-478-771A-4
; Sequence 4, Application US/10478771A
; Publication No. US20040248831A1
; GENERAL INFORMATION:
; APPLICANT: LINGNAU, KAREN
; APPLICANT: SCHELLACK
; APPLICANT: SCHMIDT, WALTER
; TITLE OF INVENTION: IMMUNOSTIMULATORY OLIGODEOXYNUCLEIC MOLECULES
; CURRENT APPLICATION NUMBER: US/10/478,771A
; CURRENT FILING DATE: 2003-11-21
; PRIOR APPLICATION NUMBER: PCT/EP02/05448
; PRIOR FILING DATE: 2002-05-17
; PRIOR APPLICATION NUMBER: AB05/2001
; PRIOR FILING DATE: 2001-05-21
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-478-771A-4

Query Match      62.5%; Score 65; DB 16; Length 36;
Best Local Similarity 75.0%; Pred. No. 0.12;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 LKFRNKIKEKLLKKGQKIQ 20
Db 6 LKRGGEKIGEKLLKKGQKIK 25

RESULT 10
US-10-470-048B-599
; Sequence 599, Application US/10470048B
; Publication No. US20050037444A1
; GENERAL INFORMATION:
; APPLICANT: MEINKE ET AL.
; TITLE OF INVENTION: A METHOD FOR IDENTIFICATION, ISOLATION AND PRODUCTION OF
; FILE REFERENCE: SONN:035US
; CURRENT APPLICATION NUMBER: US/10/470,048B
; CURRENT FILING DATE: 2003-07-25
; NUMBER OF SEQ ID NOS: 603
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; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-060-102-5

Query Match 100.0%; Score 104; DB 14; Length 37;
Best Local Similarity 100.0%; Pred. No. 7.2e-07;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKKIKIGQIQ 21
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Db 6 LRKFRNKIKKIKIGQIQ 26

RESULT 3
US-10-721-839-5
; Sequence 5, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-721-839-5

Query Match 100.0%; Score 104; DB 15; Length 37;
Best Local Similarity 100.0%; Pred. No. 7.2e-07;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKKIKIGQIQ 21
| | | | | | | | | | | | | | | | | | | | | |
Db 6 LRKFRNKIKKIKIGQIQ 26

RESULT 4
US-10-344-709C-15

; Sequence 15, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
; FILE REFERENCE: SONN:0300US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-15

Query Match 100.0%; Score 104; DB 16; Length 37;
Best Local Similarity 100.0%; Pred. No. 7.2e-07;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKKIKIGQIQ 21
| | | | | | | | | | | | | | | | | | | | | |
Db 6 LRKFRNKIKKIKIGQIQ 26

RESULT 5
US-10-721-829-5
; Sequence 5, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-721-829-5

Query Match 100.0%; Score 104; DB 17; Length 37;
Best Local Similarity 100.0%; Pred. No. 7.2e-07;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKKIKIGQIQ 21
| | | | | | | | | | | | | | | | | | | | | |
Db 6 LRKFRNKIKKIKIGQIQ 26

RESULT 6
US-10-344-709C-7

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 74.25 Seconds
(without alignments)
111.556 Million cell updates/sec

Title: US-09-642-744E-23
Perfect score: 104
Sequence: 1 LRKFRNKIKKIKGQKIQG 21

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Searched: 1777461 seqs, 394431504 residues

Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US10F_NEW_PUB.pep.*
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22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	104	100.0	37	14	US-10-060-102-5
3	104	100.0	37	15	US-10-721-839-5
4	104	100.0	37	16	US-10-344-709C-15
5	104	100.0	37	17	US-10-721-829-5
6	104	100.0	171	16	US-10-344-709C-7
7	65	62.5	31	17	US-10-399-442A-2
8	65	62.5	32	16	US-10-344-709C-1
9	65	62.5	36	16	US-10-478-771A-4
10	65	62.5	36	17	US-10-470-048B-599
11	65	62.5	39	14	US-10-060-102-1

12	65	62.5	39	15	US-10-721-839-1	Sequence 1, Appli
13	65	62.5	39	17	US-10-721-829-1	Sequence 1, Appli
14	65	62.5	173	16	US-10-344-709C-5	Sequence 5, Appli
15	60	57.7	324	15	US-10-389-566-1171	Sequence 1171, Ap
16	60	57.7	326	14	US-10-233-926-25	Sequence 25, Appl
17	60	57.7	326	15	US-10-389-566-1172	Sequence 1172, Ap
18	59	56.7	36	14	US-10-269-171A-2	Sequence 2, Appli
19	58	55.8	129	15	US-10-424-599-264276	Sequence 264276,
20	57	54.8	329	14	US-10-233-926-24	Sequence 24, Appl
21	57	54.8	329	15	US-10-389-566-1173	Sequence 1173, Ap
22	57	54.8	331	14	US-10-233-926-23	Sequence 23, Appl
23	57	54.8	331	15	US-10-389-566-1174	Sequence 1174, Ap
24	55	52.9	39	14	US-10-060-102-2	Sequence 2, Appli
25	55	52.9	39	15	US-10-721-839-2	Sequence 2, Appli
26	55	52.9	39	17	US-10-721-829-2	Sequence 2, Appli
27	54	51.9	332	15	US-10-389-566-1816	Sequence 1816, Ap
28	52	50.0	194	14	US-10-233-926-6	Sequence 6, Appli
29	52	50.0	275	15	US-10-424-599-216383	Sequence 216383,
30	52	50.0	318	15	US-10-389-566-673	Sequence 673, App
31	52	50.0	318	15	US-10-389-566-674	Sequence 674, App
32	52	50.0	363	14	US-10-233-926-20	Sequence 20, Appl
33	52	50.0	1111	15	US-10-282-122A-58098	Sequence 58098, A
34	52	50.0	1112	16	US-10-398-186-22	Sequence 22, Appl
35	51	49.0	35	13	US-10-205-150-1	Sequence 1, Appli
36	50	48.1	60	16	US-10-437-963-148381	Sequence 148381,
37	50	48.1	67	15	US-10-424-599-250653	Sequence 250653,
38	50	48.1	663	15	US-10-282-122A-51673	Sequence 51673, A
39	50	48.1	3421	16	US-10-701-122-53	Sequence 53, Appl
40	49	47.1	51	15	US-10-424-599-264915	Sequence 264915,
41	49	47.1	259	16	US-10-408-765A-807	Sequence 807, App
42	49	47.1	288	10	US-09-942-024-21	Sequence 21, Appl
43	49	47.1	288	10	US-09-942-024-23	Sequence 23, Appl
44	49	47.1	288	10	US-09-942-098-21	Sequence 21, Appl
45	49	47.1	288	10	US-09-942-098-23	Sequence 23, Appl

ALIGNMENTS

RESULT 1
US-10-131-433-1
; Sequence 1, Application US/10131433
; Publication No. US20030054422A1
; GENERAL INFORMATION:
; APPLICANT: UNILEVER, PLC
; TITLE OF INVENTION: Lipopolysaccharide Immunoassay and Test Device
; FILE REFERENCE: Lipopolysaccharide Immunoassay
; CURRENT APPLICATION NUMBER: US/10/131.433
; PRIOR FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US/09/545,180
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Lapine
US-10-131-433-1

Query Match 100.0%; Score 104; DB 14; Length 32;
Best Local Similarity 100.0%; Pred. No. 6.2e-07;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKKIKGQKIQG 21
Db 6 LRKFRNKIKKIKGQKIQG 26
|||||

RESULT 2
US-10-060-102-5
; Sequence 5, Application US/10060102
; Publication No. US2003002829A1
; GENERAL INFORMATION:

Search completed: September 12, 2005, 21:37:57
Job time : 42.4786 secs

; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-20

Query Match 100.0%; Score 57; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
| | | | | | | | | |
Db 2 RRIIRKIIHIK 13

RESULT 13
US-10-060-102-14
; Sequence 14, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-14

Query Match 100.0%; Score 57; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0064;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
| | | | | | | | | |
Db 3 RRIIRKIIHIK 14

RESULT 14
US-10-060-102-15
; Sequence 15, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK

; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-15

Query Match 100.0%; Score 57; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0064;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
| | | | | | | | | |
Db 3 RRIIRKIIHIK 14

RESULT 15
US-10-721-839-14
; Sequence 14, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-14

Query Match 100.0%; Score 57; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0064;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
| | | | | | | | | |
Db 3 RRIIRKIIHIK 14

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-18

Query Match 100.0%; Score 57; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
| | | | | | | | | |
Db 2 RRIIRKIIHIK 13

RESULT 11

US-10-721-829-19

; Sequence 19, Application US/10721829

; Publication No. US20050113776A1

; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY

; APPLICANT: STAPLETON, JACK

; APPLICANT: ROLLER, RICHARD

; APPLICANT: STINSKI, MARK

; APPLICANT: MCCRAY, PAUL B.

; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US

; CURRENT APPLICATION NUMBER: US/10/721,829

; CURRENT FILING DATE: 2003-11-25

; PRIOR FILING DATE: 2002-02-22

; PRIOR APPLICATION NUMBER: 60/309,368

; PRIOR FILING DATE: 2001-08-01

; PRIOR APPLICATION NUMBER: 60/265,270

; PRIOR FILING DATE: 2001-01-30

; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 19

; LENGTH: 14

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

; OTHER INFORMATION: Peptide

US-10-721-829-19

Query Match 100.0%; Score 57; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
| | | | | | | | | |
Db 2 RRIIRKIIHIK 13

RESULT 12

US-10-721-829-20

; Sequence 20, Application US/10721829

; Publication No. US20050113776A1

; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY

; APPLICANT: STAPLETON, JACK

; APPLICANT: ROLLER, RICHARD

; APPLICANT: STINSKI, MARK

; APPLICANT: MCCRAY, PAUL B.

; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US

; CURRENT APPLICATION NUMBER: US/10/721,829

; CURRENT FILING DATE: 2003-11-25

; PRIOR APPLICATION NUMBER: US/10/060,102

; PRIOR FILING DATE: 2002-02-22

RESULT 9

US-10-721-829-13

; Sequence 13, Application US/10721829

; Publication No. US20050113776A1

; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY

; APPLICANT: STAPLETON, JACK

; APPLICANT: ROLLER, RICHARD

; APPLICANT: STINSKI, MARK

; APPLICANT: MCCRAY, PAUL B.

; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US

; CURRENT APPLICATION NUMBER: US/10/721,829

; CURRENT FILING DATE: 2003-11-25

; PRIOR FILING DATE: 2002-02-22

; PRIOR APPLICATION NUMBER: 60/309,368

; PRIOR FILING DATE: 2001-08-01

; PRIOR APPLICATION NUMBER: 60/265,270

; PRIOR FILING DATE: 2001-01-30

; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 13

; LENGTH: 14

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

; OTHER INFORMATION: Peptide

US-10-721-829-13

Query Match 100.0%; Score 57; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
| | | | | | | | | |
Db 2 RRIIRKIIHIK 13

RESULT 10

US-10-721-829-18

; Sequence 18, Application US/10721829

; Publication No. US20050113776A1

; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY

; APPLICANT: STAPLETON, JACK

; APPLICANT: ROLLER, RICHARD

; APPLICANT: STINSKI, MARK

; APPLICANT: MCCRAY, PAUL B.

; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US

; CURRENT APPLICATION NUMBER: US/10/721,829

; CURRENT FILING DATE: 2003-11-25

; PRIOR FILING DATE: 2002-02-22

; PRIOR APPLICATION NUMBER: 60/309,368

; PRIOR FILING DATE: 2001-08-01

; PRIOR APPLICATION NUMBER: 60/265,270

; PRIOR FILING DATE: 2001-01-30

; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 18

; LENGTH: 14

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-13

Query Match 100.0%; Score 57; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
| | | | | | | | | |
Db 2 RRIIRKIIHIK 13

RESULT 6

US-10-721-839-18
; Sequence 18, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS

; FILE REFERENCE: IOWA.035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-18

Query Match 100.0%; Score 57; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
| | | | | | | | | |
Db 2 RRIIRKIIHIK 13

RESULT 7

US-10-721-839-19
; Sequence 19, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK

; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA.035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-19

Query Match 100.0%; Score 57; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
| | | | | | | | | |
Db 2 RRIIRKIIHIK 13

RESULT 8

US-10-721-839-20
; Sequence 20, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS

; FILE REFERENCE: IOWA.035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-20

Query Match 100.0%; Score 57; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
| | | | | | | | | |
Db 2 RRIIRKIIHIK 13


```
Qy 1 RRIIRKIIHIK 12
    |||||
Db 2 RRIIRKIIHIK 13

RESULT 2
US-10-060-102-18
; Sequence 18, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-18

Query Match 100.0%; Score 57; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
    |||||
Db 2 RRIIRKIIHIK 13

RESULT 3
US-10-060-102-19
; Sequence 19, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
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; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-19

Query Match 100.0%; Score 57; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
    |||||
Db 2 RRIIRKIIHIK 13

RESULT 4
US-10-060-102-20
; Sequence 20, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-20

Query Match 100.0%; Score 57; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0056;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
    |||||
Db 2 RRIIRKIIHIK 13

RESULT 5
US-10-721-839-13
; Sequence 13, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 42.4286 Seconds
(without alignments)
111.556 Million cell updates/sec

Title: US-09-642-744E-17
Perfect score: 57
Sequence: 1 RRIIRKIHIIK 12

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1777461 seqs, 394431504 residues

Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Listing first 45 summaries

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19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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7	57	100.0	14	US-10-060-102-23
8	57	100.0	14	US-10-060-102-24
9	57	100.0	14	US-10-060-102-25
10	57	100.0	14	US-10-060-102-26
11	57	100.0	14	US-10-060-102-27

12	57	100.0	14	US-10-721-829-20	Sequence 20, Appl
13	57	100.0	16	US-10-060-102-14	Sequence 14, Appl
14	57	100.0	16	US-10-060-102-15	Sequence 15, Appl
15	57	100.0	16	US-10-721-839-14	Sequence 14, Appl
16	57	100.0	16	US-10-721-839-15	Sequence 15, Appl
17	57	100.0	16	US-10-721-829-14	Sequence 14, Appl
18	57	100.0	16	US-10-721-829-15	Sequence 15, Appl
19	57	100.0	18	US-09-840-009-2	Sequence 2, Appl
20	57	100.0	18	US-09-840-009-9	Sequence 9, Appl
21	57	100.0	18	US-09-840-009-16	Sequence 16, Appl
22	57	100.0	18	US-09-840-009-23	Sequence 23, Appl
23	57	100.0	18	US-09-840-009-30	Sequence 30, Appl
24	57	100.0	18	US-10-060-102-9	Sequence 9, Appl
25	57	100.0	18	US-10-060-102-10	Sequence 10, Appl
26	57	100.0	18	US-10-060-102-11	Sequence 11, Appl
27	57	100.0	18	US-10-060-102-12	Sequence 12, Appl
28	57	100.0	18	US-10-721-839-9	Sequence 9, Appl
29	57	100.0	18	US-10-721-839-10	Sequence 10, Appl
30	57	100.0	18	US-10-721-839-11	Sequence 11, Appl
31	57	100.0	18	US-10-721-839-12	Sequence 12, Appl
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35	57	100.0	18	US-10-721-829-12	Sequence 12, Appl
36	57	100.0	29	US-10-060-102-8	Sequence 8, Appl
37	57	100.0	29	US-10-721-839-8	Sequence 8, Appl
38	57	100.0	29	US-10-721-829-8	Sequence 8, Appl
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41	52	91.2	18	US-09-840-009-11	Sequence 11, Appl
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43	52	91.2	18	US-09-840-009-18	Sequence 18, Appl
44	52	91.2	18	US-09-840-009-22	Sequence 22, Appl
45	52	91.2	18	US-09-840-009-25	Sequence 25, Appl

ALIGNMENTS

RESULT 1
US-10-060-102-13
; Sequence 13, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, JACK
; APPLICANT: STAPLETON, WENDY
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-13

Query Match 100.0%; Score 57; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0056; Indels 0; Gaps 0;
Matches 12; Conservative 0; Mismatches 0;

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; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-5

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Best Local Similarity 78.9%; Pred. No. 0.52;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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DB 142 LRKGGEKIGELKKGQKI 160

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US-10-269-171A-2
; Sequence 2, Application US/10269171A
; Publication No. US20030095979A1
; GENERAL INFORMATION:
; APPLICANT: Frank Mattner
; APPLICANT: Wolfgang Zauner
; APPLICANT: Walter Schmidt
; APPLICANT: Michael Buschle
; TITLE OF INVENTION: Pharmaceutical preparations comprising modified
; FILE REFERENCE: SONN:020US
; CURRENT APPLICATION NUMBER: US/10/269,171A
; CURRENT FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: PCT/EP01/04313
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
; NAME/KEY: MOD RES
; LOCATION: (22)
; OTHER INFORMATION: Xaa = anything
US-10-269-171A-2

Query Match      62.4%; Score 58; DB 14; Length 36;
Best Local Similarity 73.7%; Pred. No. 0.69;
Matches 14; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

QY 1 LRKFRNKIKEKLKKGQKI 19
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DB 6 LRKGGEKIGELKKGQKI 24

Search completed: September 12, 2005, 21:37:58
Job time : 67.2286 secs
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; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 599
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-470-048B-599

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Best Local Similarity 78.9%; Pred. No. 0.11;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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Db      6 LRKGGEKIGEKLLKIGQKI 24

RESULT 11
US-10-060-102-1
; Sequence 1, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-060-102-1

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Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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Db      8 LRKGGEKIGEKLLKIGQKI 26

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US-10-721-839-1
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; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
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; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-721-839-1

Query Match      68.8%; Score 64; DB 15; Length 39;
Best Local Similarity 78.9%; Pred. No. 0.11;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy      1 LRKFRNKIKEKLLKIGQKI 19
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Db      8 LRKGGEKIGEKLLKIGQKI 26

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; Sequence 1, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Mus musculus
US-10-721-829-1

Query Match      68.8%; Score 64; DB 17; Length 39;
Best Local Similarity 78.9%; Pred. No. 0.11;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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Db      8 LRKGGEKIGEKLLKIGQKI 26

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; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; FILE REFERENCE: SONN:030US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
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; APPLICANT: JORG FRITZ ET AL.

; NUMBER OF SEQ ID NOS: 603

; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-060-102-5

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Best Local Similarity 100.0%; Pred. No. 1.2e-05;
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Db 6 LRKFRNKIKEKLKKGQKI 24

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US-10-721-839-5
; Sequence 5, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-721-839-5

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Best Local Similarity 100.0%; Pred. No. 1.2e-05;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKEKLKKGQKI 19
|||||
Db 6 LRKFRNKIKEKLKKGQKI 24

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US-10-344-709C-15

; Sequence 15, Application US/10344709C
; Publication No. US20040170642A1
; GENERAL INFORMATION:
; APPLICANT: JORG FRITZ ET AL.
; TITLE OF INVENTION: Vaccine which comprises at least one antigen and a cathelicidin
; TITLE OF INVENTION: derived antimicrobial peptide or a derivative thereof
; FILE REFERENCE: SONN:0300US
; CURRENT APPLICATION NUMBER: US/10/344,709C
; CURRENT FILING DATE: 2003-02-14
; PRIOR APPLICATION NUMBER: PCT/EP01/09529
; PRIOR FILING DATE: 2001-08-17
; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-15

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Best Local Similarity 100.0%; Pred. No. 1.2e-05;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 6 LRKFRNKIKEKLKKGQKI 24

RESULT 5

US-10-721-829-5
; Sequence 5, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Ovis aries
US-10-721-829-5

Query Match 100.0%; Score 93; DB 17; Length 37;
Best Local Similarity 100.0%; Pred. No. 1.2e-05;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKEKLKKGQKI 19
|||||
Db 6 LRKFRNKIKEKLKKGQKI 24

RESULT 6

US-10-344-709C-7

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 67.1786 Seconds
(without alignments)
111.556 Million cell updates/sec

Title: US-09-642-744E-22

Perfect score: 93

Sequence: 1 LRKFRNKIKKKIGQKI 19

Scoring table: BLOSUM62

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Searched: 1777461 seqs, 394431504 residues

Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Database : Published Applications AA:*

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8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	93	100.0	32	14	US-10-131-433-1
2	93	100.0	37	14	US-10-060-102-5
3	93	100.0	37	15	US-10-721-829-1
4	93	100.0	37	16	US-10-344-709C-15
5	93	100.0	37	17	US-10-721-829-5
6	93	100.0	171	16	US-10-344-709C-7
7	64	68.8	31	17	US-10-399-442A-2
8	64	68.8	32	16	US-10-344-709C-1
9	64	68.8	36	16	US-10-478-771A-4
10	64	68.8	36	17	US-10-470-048B-599
11	64	68.8	39	14	US-10-060-102-1

12	64	68.8	39	15	US-10-721-839-1	Sequence 1, Appli
13	64	68.8	39	17	US-10-721-829-1	Sequence 1, Appli
14	64	68.8	173	16	US-10-344-709C-5	Sequence 5, Appli
15	58	62.4	36	14	US-10-269-171A-2	Sequence 2, Appli
16	55	59.1	324	15	US-10-389-566-1171	Sequence 1171, Ap
17	55	59.1	326	14	US-10-233-926-25	Sequence 25, Appl
18	55	59.1	326	15	US-10-389-566-1172	Sequence 1172, Ap
19	54	58.1	39	14	US-10-060-102-2	Sequence 2, Appli
20	54	58.1	39	15	US-10-721-839-2	Sequence 2, Appli
21	54	58.1	39	17	US-10-721-829-2	Sequence 24, Appl
22	52	55.9	329	14	US-10-233-926-24	Sequence 1173, Ap
23	52	55.9	329	15	US-10-389-566-1173	Sequence 23, Appl
24	52	55.9	331	14	US-10-233-926-23	Sequence 1174, Ap
25	52	55.9	331	15	US-10-389-566-1174	Sequence 58098, A
26	52	55.9	1111	15	US-10-282-122A-58098	Sequence 22, Appl
27	52	55.9	1112	16	US-10-398-186-22	Sequence 1, Appli
28	51	54.8	35	13	US-10-205-150-1	Sequence 250653,
29	50	53.8	67	15	US-10-424-599-250653	Sequence 264915,
30	49	52.7	51	15	US-10-424-599-264915	Sequence 1816, Ap
31	49	52.7	332	15	US-10-389-566-1816	Sequence 44345, A
32	49	52.7	443	16	US-10-767-701-44345	Sequence 53, Appl
33	49	52.7	3421	16	US-10-701-122-53	Sequence 55, Appl
34	48	51.6	23	10	US-09-820-053A-55	Sequence 55, Appl
35	48	51.6	23	14	US-10-109-171-55	Sequence 55, Appl
36	48	51.6	23	16	US-10-839-525-55	Sequence 34, Appl
37	48	51.6	155	15	US-10-336-603A-34	Sequence 2, Appli
38	48	51.6	178	13	US-10-015-179-2	Sequence 32, Appl
39	48	51.6	178	15	US-10-188-840-2	Sequence 6, Appli
40	48	51.6	178	15	US-10-336-603A-32	Sequence 5696, Ap
41	48	51.6	338	15	US-10-155-435-6	Sequence 14, Appl
42	48	51.6	439	9	US-09-815-242-5696	Sequence 43955, A
43	48	51.6	439	14	US-10-358-917-14	Sequence 14, Appl
44	48	51.6	497	15	US-10-282-122A-43955	Sequence 14, Appl
45	48	51.6	497	16	US-10-860-291-14	

ALIGNMENTS

RESULT 1
US-10-131-433-1
; Sequence 1, Application US/10131433
; Publication No. US20030054422A1
; GENERAL INFORMATION:
; APPLICANT: UNILEVER, PLC
; TITLE OF INVENTION: Lipopolysaccharide Immunoassay and Test Device
; FILE REFERENCE: Lipopolysaccharide Immunoassay
; CURRENT APPLICATION NUMBER: US/10/131.433
; CURRENT FILING DATE: 2002-04-23
; PRIOR APPLICATION NUMBER: US/09/545,180
; PRIOR FILING DATE: 2000-04-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 32
; TYPE: PRT
; ORGANISM: Lapine
US-10-131-433-1

Query Match 100.0%; Score 93; DB 14; Length 32;
Best Local Similarity 100.0%; Pred. No. 1e-05;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKKKIGQKI 19
Db 6 LRKFRNKIKKKIGQKI 24

RESULT 2
US-10-060-102-5
; Sequence 5, Application US/10060102
; Publication No. US2003002829A1
; GENERAL INFORMATION:

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RESULT 13
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-Isoleucine
US-09-840-009-23

Query Match 100.0%; Score 61; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0026;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
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Db 3 LRRIRKIIHIK 15

RESULT 14
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-Isoleucine
US-09-840-009-30

Query Match 100.0%; Score 61; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0026;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
| | | | | | | | | |
Db 3 LRRIRKIIHIK 15

RESULT 15
US-10-060-102-9
; Sequence 9, Application US/10060102
; Publication No. US20030022829A1

; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-9

Query Match 100.0%; Score 61; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0026;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
| | | | | | | | | |
Db 3 LRRIRKIIHIK 15

Search completed: September 12, 2005, 21:37:57
Job time : 47.0143 secs

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Db          2  LRRIRKIIHIK 14
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RESULT 9
US-10-721-829-14
; Sequence 14, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA-035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-721-829-14
Query Match          100.0%; Score 61; DB 17; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0023;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          1  LRRIRKIIHIK 13
|||||
Db          2  LRRIRKIIHIK 14
|||||
RESULT 10
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2
Query Match          100.0%; Score 61; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0026;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db          2  LRRIRKIIHIK 14
|||||
Qy          1  LRRIRKIIHIK 13
|||||
Db          3  LRRIRKIIHIK 15
|||||
RESULT 11
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-9
Query Match          100.0%; Score 61; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0026;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          1  LRRIRKIIHIK 13
|||||
Db          3  LRRIRKIIHIK 15
|||||
RESULT 12
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-16
Query Match          100.0%; Score 61; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0026;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy          1  LRRIRKIIHIK 13
|||||
Db          3  LRRIRKIIHIK 15
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; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-13

Query Match 100.0%; Score 61; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
Db 1 LRRIRKIIHIK 13

RESULT 6
US-10-721-829-18
; Sequence 18, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-18

Query Match 100.0%; Score 61; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
Db 1 LRRIRKIIHIK 13

RESULT 7
US-10-102-102-14
; Sequence 14, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-14

Query Match 100.0%; Score 61; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0023;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
Db 2 LRRIRKIIHIK 14

RESULT 8
US-10-721-839-14
; Sequence 14, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-14

Query Match 100.0%; Score 61; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0023;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-13

Query Match      100.0%; Score 61; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LRRIRKIIHIK 13
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Db      1 LRRIRKIIHIK 13

RESULT 2
US-10-060-102-18
; Sequence 18, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-18

Query Match      100.0%; Score 61; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LRRIRKIIHIK 13
        |||||
Db      1 LRRIRKIIHIK 13

RESULT 3
US-10-721-839-13
; Sequence 13, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PRT
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-13

Query Match      100.0%; Score 61; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LRRIRKIIHIK 13
        |||||
Db      1 LRRIRKIIHIK 13

RESULT 4
US-10-721-839-18
; Sequence 18, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-18

Query Match      100.0%; Score 61; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 LRRIRKIIHIK 13
        |||||
Db      1 LRRIRKIIHIK 13

RESULT 5
US-10-721-829-13
; Sequence 13, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
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OM protein - protein search, using sw model

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Title: US-09-642-744E-15
Perfect score: 61
Sequence: 1 LRRIRKIHIK 13

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Searched: 1777461 seqs, 394431504 residues

Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:*

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- 3: /cgn2_6/ptodata/2/pubpaa/US05_NEW_PUB.pep.*
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- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
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- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	61	100.0	14	14	US-10-060-102-18
3	61	100.0	14	15	US-10-721-839-13
4	61	100.0	14	15	US-10-721-839-18
5	61	100.0	14	17	US-10-721-829-13
6	61	100.0	14	17	US-10-721-829-18
7	61	100.0	16	14	US-10-060-102-14
8	61	100.0	16	15	US-10-721-839-14
9	61	100.0	16	17	US-10-721-829-14
10	61	100.0	18	9	US-09-840-009-2
11	61	100.0	18	9	US-09-840-009-9

12	61	100.0	18	9	US-09-840-009-16	Sequence 16, Appl
13	61	100.0	18	9	US-09-840-009-23	Sequence 23, Appl
14	61	100.0	18	9	US-09-840-009-30	Sequence 30, Appl
15	61	100.0	18	14	US-10-060-102-9	Sequence 9, Appl
16	61	100.0	18	14	US-10-060-102-12	Sequence 12, Appl
17	61	100.0	18	15	US-10-721-839-9	Sequence 9, Appl
18	61	100.0	18	15	US-10-721-839-12	Sequence 12, Appl
19	61	100.0	18	17	US-10-721-829-9	Sequence 9, Appl
20	61	100.0	18	17	US-10-721-829-12	Sequence 12, Appl
21	61	100.0	29	14	US-10-060-102-8	Sequence 8, Appl
22	61	100.0	29	15	US-10-721-839-8	Sequence 8, Appl
23	61	100.0	29	17	US-10-721-829-8	Sequence 8, Appl
24	59	96.7	14	14	US-10-060-102-19	Sequence 19, Appl
25	59	96.7	14	14	US-10-060-102-20	Sequence 20, Appl
26	59	96.7	14	15	US-10-721-839-19	Sequence 19, Appl
27	59	96.7	14	15	US-10-721-839-20	Sequence 20, Appl
28	59	96.7	14	17	US-10-721-829-19	Sequence 19, Appl
29	59	96.7	14	17	US-10-721-829-20	Sequence 20, Appl
30	59	96.7	16	14	US-10-060-102-15	Sequence 15, Appl
31	59	96.7	16	15	US-10-721-839-15	Sequence 15, Appl
32	59	96.7	16	17	US-10-721-829-15	Sequence 15, Appl
33	59	96.7	18	14	US-10-060-102-11	Sequence 11, Appl
34	59	96.7	18	14	US-10-060-102-11	Sequence 11, Appl
35	59	96.7	18	15	US-10-721-839-10	Sequence 10, Appl
36	59	96.7	18	15	US-10-721-839-11	Sequence 11, Appl
37	59	96.7	18	17	US-10-721-829-10	Sequence 10, Appl
38	59	96.7	18	17	US-10-721-829-11	Sequence 11, Appl
39	56	91.8	18	9	US-09-840-009-4	Sequence 4, Appl
40	56	91.8	18	9	US-09-840-009-8	Sequence 8, Appl
41	56	91.8	18	9	US-09-840-009-11	Sequence 11, Appl
42	56	91.8	18	9	US-09-840-009-15	Sequence 15, Appl
43	56	91.8	18	9	US-09-840-009-18	Sequence 18, Appl
44	56	91.8	18	9	US-09-840-009-22	Sequence 22, Appl
45	56	91.8	18	9	US-09-840-009-25	Sequence 25, Appl

ALIGNMENTS

RESULT 1
US-10-060-102-13
; Sequence 13, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-13

Query Match 100.0%; Score 61; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0021;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Search completed: September 12, 2005, 21:37:56
Job time : 49.55 secs

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: PRIOR APPLICATION NUMBER: 60/265,270
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: PRIOR FILING DATE: 2001-01-30
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: NUMBER OF SEQ ID NOS: 32
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: SOFTWARE: PatentIn Ver. 2.1
:
: SEQ ID NO 10
:
: LENGTH: 18
:
: TYPE: PRT
:
: ORGANISM: Artificial Sequence
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: FEATURE:
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: OTHER INFORMATION: Description of A
US-10-721-839-10
:
: OTHER INFORMATION: Peptide

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Best Local Similarity 100.0%; Pred. No. 0.0009;
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; Sequence 11, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKY, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/7
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,360
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,271
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patent In Ver. 2.1

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Query Match      100.0%; Score 66; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0009;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK

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, APPLICANT: MCCRAY, PAUL B.
, APPLICANT: TACK, BRIAN
, TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITY
, TITLE OF INVENTION: CATHELICIDINS
, FILE REFERENCE: IOWA:035US
, CURRENT APPLICATION NUMBER: US/10/721,829
, CURRENT FILING DATE: 2003-11-25
, PRIOR APPLICATION NUMBER: US/10/060,102
, PRIOR FILING DATE: 2002-02-22
, PRIOR APPLICATION NUMBER: 60/309,368
, PRIOR FILING DATE: 2001-08-01
, PRIOR APPLICATION NUMBER: 60/265,270
, PRIOR FILING DATE: 2001-01-30
, NUMBER OF SEQ ID NOS: 32
, SOFTWARE: Patent Ver. 2.1

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Query Match 100.0%; Score 66; DB 17; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0009;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 3 I R R I I R K I I H I I K K 16

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; Sequence 11, Application US/10721829
; Publication No. US20050113776A1

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Best Local Similarity 100.0%; Pred. No. 0.0009;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 3 I R R I R K I I H I I K K 16


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; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-15
Query Match      100.0%; Score 66; DB 17; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0008;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 IRRIRKIIHIKK 14
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Db      2 IRRIRKIIHIKK 15
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US-10-060-102-10
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; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-10
Query Match      100.0%; Score 66; DB 17; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0008;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 IRRIRKIIHIKK 14
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Db      2 IRRIRKIIHIKK 15
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; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-10
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Best Local Similarity 100.0%; Pred. No. 0.0009;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db      3 IRRIRKIIHIKK 16
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; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-11
Query Match      100.0%; Score 66; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0009;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 IRRIRKIIHIKK 14
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Db      3 IRRIRKIIHIKK 16
|||||
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US-10-721-839-10
; Sequence 10, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
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; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-19

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Best Local Similarity 100.0%; Pred. No. 0.0007;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 IRRIRKIIHIKK 14
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; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-20

Query Match 100.0%; Score 66; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0007;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
Db 1 IRRIRKIIHIKK 14
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RESULT 7
US-10-060-102-15
; Sequence 15, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-15

Query Match 100.0%; Score 66; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0008;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
Db 2 IRRIRKIIHIKK 15
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US-10-721-839-15
; Sequence 15, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-15

Query Match 100.0%; Score 66; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0008;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14

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Qy 1 IRRIRKIIHIKK 14
    |||||
Db 1 IRRIRKIIHIKK 14

RESULT 2
US-10-060-102-20
; Sequence 20, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-060-102-20

Query Match 100.0%; Score 66; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0007;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
    |||||
Db 1 IRRIRKIIHIKK 14

RESULT 3
US-10-721-839-19
; Sequence 19, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-721-839-19

Query Match 100.0%; Score 66; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0007;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
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Db 1 IRRIRKIIHIKK 14

RESULT 4
US-10-721-839-20
; Sequence 20, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-721-839-20

Query Match 100.0%; Score 66; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0007;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
    |||||
Db 1 IRRIRKIIHIKK 14

RESULT 5
US-10-721-829-19
; Sequence 19, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 49.5 Seconds
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Title: US-09-642-744E-14

Perfect score: 66

Sequence: 1 IRRIRKIHIKK 14

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1777461 seqs, 394431504 residues

Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

Database :

- Published Applications AA:*
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 - 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
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 - 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	66	100.0	14	14	US-10-060-102-20
3	66	100.0	14	15	US-10-721-839-19
4	66	100.0	14	15	US-10-721-839-20
5	66	100.0	14	17	US-10-721-839-19
6	66	100.0	14	17	US-10-721-839-20
7	66	100.0	16	14	US-10-060-102-15
8	66	100.0	16	15	US-10-721-839-15
9	66	100.0	16	17	US-10-721-839-15
10	66	100.0	18	14	US-10-060-102-10
11	66	100.0	18	14	US-10-060-102-11

12	66	100.0	18	15	US-10-721-839-10	Sequence 10, Appl
13	66	100.0	18	15	US-10-721-839-11	Sequence 11, Appl
14	66	100.0	18	17	US-10-721-829-10	Sequence 10, Appl
15	66	100.0	18	17	US-10-721-829-11	Sequence 11, Appl
16	64	97.0	14	14	US-10-060-102-13	Sequence 13, Appl
17	64	97.0	14	14	US-10-060-102-18	Sequence 18, Appl
18	64	97.0	14	15	US-10-721-839-13	Sequence 13, Appl
19	64	97.0	14	15	US-10-721-839-18	Sequence 18, Appl
20	64	97.0	14	17	US-10-721-829-13	Sequence 13, Appl
21	64	97.0	14	17	US-10-721-829-18	Sequence 18, Appl
22	64	97.0	16	14	US-10-060-102-14	Sequence 14, Appl
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26	64	97.0	18	9	US-09-840-009-9	Sequence 9, Appl
27	64	97.0	18	9	US-09-840-009-16	Sequence 16, Appl
28	64	97.0	18	9	US-09-840-009-23	Sequence 23, Appl
29	64	97.0	18	9	US-09-840-009-30	Sequence 30, Appl
30	64	97.0	18	14	US-10-060-102-9	Sequence 9, Appl
31	64	97.0	18	14	US-10-060-102-12	Sequence 12, Appl
32	64	97.0	18	15	US-10-721-839-9	Sequence 9, Appl
33	64	97.0	18	15	US-10-721-839-12	Sequence 12, Appl
34	64	97.0	18	17	US-10-721-829-9	Sequence 9, Appl
35	64	97.0	18	17	US-10-721-829-12	Sequence 12, Appl
36	64	97.0	29	14	US-10-060-102-8	Sequence 8, Appl
37	64	97.0	29	15	US-10-721-839-8	Sequence 8, Appl
38	64	97.0	29	17	US-10-721-829-8	Sequence 8, Appl
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41	59	89.4	18	9	US-09-840-009-11	Sequence 11, Appl
42	59	89.4	18	9	US-09-840-009-15	Sequence 15, Appl
43	59	89.4	18	9	US-09-840-009-18	Sequence 18, Appl
44	59	89.4	18	9	US-09-840-009-22	Sequence 22, Appl
45	59	89.4	18	9	US-09-840-009-25	Sequence 25, Appl

ALIGNMENTS

RESULT 1
US-10-060-102-19
; Sequence 19, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA/035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 19
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-19
Query Match 100.0%; Score 66; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0007;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Search completed: September 12, 2005, 21:37:56
Job time : 49.55 secs

; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-10

Query Match 100.0%; Score 66; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0009;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 3 IRRIRKIIHIKK 16

RESULT 13

US-10-721-839-11
; Sequence 11, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS

; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-11

Query Match 100.0%; Score 66; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0009;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
Db 3 IRRIRKIIHIKK 16

RESULT 14

US-10-721-829-10
; Sequence 10, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK

; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
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; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-10

Query Match 100.0%; Score 66; DB 17; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0009;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 3 IRRIRKIIHIKK 16

RESULT 15

US-10-721-829-11
; Sequence 11, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS

; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-11

Query Match 100.0%; Score 66; DB 17; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0009;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 3 IRRIRKIIHIKK 16

; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
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; ORGANISM: Artificial Sequence
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; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-19

Query Match 100.0%; Score 66; DB 17; Length 14;
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Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 IRRIRKIIHIKK 14

RESULT 6

US-10-721-829-20
; Sequence 20, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
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; OTHER INFORMATION: Peptide
US-10-721-829-20

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Best Local Similarity 100.0%; Pred. No. 0.0007;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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US-10-060-102-15
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; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-15

Query Match 100.0%; Score 66; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0008;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 IRRIRKIIHIKK 14
Db 2 IRRIRKIIHIKK 15

RESULT 8

US-10-721-839-15
; Sequence 15, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
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; SOFTWARE: PatentIn Ver. 2.1
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-15

Query Match 100.0%; Score 66; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0008;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 IRRIRKIIHIKK 14

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US-10-060-102-20
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; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-060-102-20

Query Match 100.0%; Score 66; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0007;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
    |||||
Db 1 IRRIRKIIHIKK 14

RESULT 3
US-10-721-839-19
; Sequence 19, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-721-839-19

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Best Local Similarity 100.0%; Pred. No. 0.0007;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 IRRIRKIIHIKK 14

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US-10-721-839-20
; Sequence 20, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-721-839-20

Query Match 100.0%; Score 66; DB 15; Length 14;
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Db 1 IRRIRKIIHIKK 14

RESULT 5
US-10-721-829-19
; Sequence 19, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
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; ORGANISM: Artificial Sequence
; FEATURE:
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US-10-721-839-19

Query Match 100.0%; Score 66; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0007;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 IRRIRKIIHIKK 14

RESULT 4
US-10-721-839-20
; Sequence 20, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 20
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-721-839-20

Query Match 100.0%; Score 66; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0007;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5
US-10-721-829-19
; Sequence 19, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 49.5 Seconds
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Sequence: 1 IRRIRKIIHIKK 14

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Searched: 1777461 seqs, 394431504 residues

Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	66	100.0	14	US-10-060-102-20	Sequence 20, Appl
3	66	100.0	14	US-10-721-839-19	Sequence 19, Appl
4	66	100.0	14	US-10-721-839-20	Sequence 20, Appl
5	66	100.0	14	US-10-721-839-19	Sequence 19, Appl
6	66	100.0	14	US-10-721-839-20	Sequence 20, Appl
7	66	100.0	14	US-10-060-102-15	Sequence 15, Appl
8	66	100.0	16	US-10-721-839-15	Sequence 15, Appl
9	66	100.0	16	US-10-721-839-15	Sequence 15, Appl
10	66	100.0	18	US-10-060-102-10	Sequence 10, Appl
11	66	100.0	18	US-10-060-102-11	Sequence 11, Appl

12	66	100.0	18	15	US-10-721-839-10	Sequence 10, Appl
13	66	100.0	18	15	US-10-721-839-11	Sequence 11, Appl
14	66	100.0	18	17	US-10-721-829-10	Sequence 10, Appl
15	66	100.0	18	17	US-10-721-829-11	Sequence 11, Appl
16	64	97.0	14	14	US-10-060-102-13	Sequence 13, Appl
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18	64	97.0	14	15	US-10-721-839-13	Sequence 13, Appl
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31	64	97.0	18	14	US-10-060-102-12	Sequence 12, Appl
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35	64	97.0	18	17	US-10-721-829-12	Sequence 12, Appl
36	64	97.0	29	14	US-10-060-102-8	Sequence 8, Appl
37	64	97.0	29	15	US-10-721-839-8	Sequence 8, Appl
38	64	97.0	29	17	US-10-721-829-8	Sequence 8, Appl
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40	59	89.4	18	9	US-09-840-009-8	Sequence 8, Appl
41	59	89.4	18	9	US-09-840-009-11	Sequence 11, Appl
42	59	89.4	18	9	US-09-840-009-15	Sequence 15, Appl
43	59	89.4	18	9	US-09-840-009-18	Sequence 18, Appl
44	59	89.4	18	9	US-09-840-009-22	Sequence 22, Appl
45	59	89.4	18	9	US-09-840-009-25	Sequence 25, Appl

ALIGNMENTS

RESULT 1
US-10-060-102-19
; Sequence 19, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALIAN
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 19
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-19

Query Match 100.0%; Score 66; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.0007;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; Sequence 10, Application US/10060102
; Publication No. US20030022829A1

Search completed: September 12, 2005, 21:37:54
Job time : 63.6929 secs

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Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 10

US-10-721-829-9

; Sequence 9, Application US/10721829

; Publication No. US20050113776A1

; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY

; APPLICANT: STAPLETON, JACK

; APPLICANT: ROLLER, RICHARD

; APPLICANT: STINSKI, MARK

; APPLICANT: MCCRAY, PAUL B.

; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US

; CURRENT APPLICATION NUMBER: US/10/721,829

; PRIOR FILING DATE: 2003-11-25

; PRIOR APPLICATION NUMBER: US/10/060,102

; PRIOR FILING DATE: 2002-02-22

; PRIOR APPLICATION NUMBER: 60/309,368

; PRIOR FILING DATE: 2001-08-01

; PRIOR APPLICATION NUMBER: 60/265,270

; PRIOR FILING DATE: 2001-01-30

; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 9

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

; OTHER INFORMATION: Peptide

US-10-721-829-9

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Best Local Similarity 100.0%; Pred. No. 6.7e-07;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 11

US-10-721-829-12

; Sequence 12, Application US/10721829

; Publication No. US20050113776A1

; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY

; APPLICANT: STAPLETON, JACK

; APPLICANT: ROLLER, RICHARD

; APPLICANT: STINSKI, MARK

; APPLICANT: MCCRAY, PAUL B.

; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US

; CURRENT APPLICATION NUMBER: US/10/721,829

; PRIOR FILING DATE: 2003-11-25

; PRIOR APPLICATION NUMBER: US/10/060,102

; PRIOR FILING DATE: 2002-02-22

; PRIOR APPLICATION NUMBER: 60/309,368

; PRIOR FILING DATE: 2001-08-01

; PRIOR APPLICATION NUMBER: 60/265,270

; PRIOR FILING DATE: 2001-01-30

; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: PatentIn Ver. 2.1

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US-10-721-829-12

Query Match 100.0%; Score 90; DB 17; Length 18;

Best Local Similarity 100.0%; Pred. No. 6.7e-07;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 12

US-10-060-102-8

; Sequence 8, Application US/10060102

; Publication No. US20030022829A1

; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY

; APPLICANT: STAPLETON, JACK

; APPLICANT: ROLLER, RICHARD

; APPLICANT: STINSKI, MARK

; APPLICANT: MCCRAY, PAUL B.

; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US

; CURRENT APPLICATION NUMBER: US/10/060,102

; PRIOR FILING DATE: 2002-02-22

; PRIOR APPLICATION NUMBER: 60/309,368

; PRIOR FILING DATE: 2001-08-01

; PRIOR APPLICATION NUMBER: 60/265,270

; PRIOR FILING DATE: 2001-01-30

; NUMBER OF SEQ ID NOS: 32

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 8

; LENGTH: 29

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

; OTHER INFORMATION: Peptide

US-10-060-102-8

Query Match 100.0%; Score 90; DB 14; Length 29;

Best Local Similarity 100.0%; Pred. No. 1.1e-06;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 13

US-10-721-839-8

; Sequence 8, Application US/10721839

; Publication No. US20040086535A1

; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY

; APPLICANT: STAPLETON, JACK

; APPLICANT: ROLLER, RICHARD

; APPLICANT: STINSKI, MARK

; APPLICANT: MCCRAY, PAUL B.

; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US

; CURRENT APPLICATION NUMBER: US/10/721,839

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; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-9
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Best Local Similarity 100.0%; Pred. No. 6.7e-07;
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; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
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; PRIOR FILING DATE: 2001-01-30
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; SOFTWARE: PatentIn Ver. 2.1
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; OTHER INFORMATION: Peptide
US-10-060-102-12
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Best Local Similarity 100.0%; Pred. No. 6.7e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 8
US-10-721-839-9
; Sequence 9, Application US/10721839
; Publication No. US20040086535A1
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; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-9
Query Match 100.0%; Score 90; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.7e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 9
US-10-721-839-12
; Sequence 12, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-12
Query Match 100.0%; Score 90; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.7e-07;
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US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9
Query Match 100.0%; Score 90; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.7e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 3
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16
Query Match 100.0%; Score 90; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.7e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 4
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23
Query Match 100.0%; Score 90; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.7e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 5
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30
Query Match 100.0%; Score 90; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.7e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 6
US-10-060-102-9
; Sequence 9, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
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Result No.	Score	Query			DB	ID	Description
		Match	Length	†			
1	90	100.0	18	9	US-09-840-009-2	Sequence 2, Appli	
2	90	100.0	18	9	US-09-840-009-9	Sequence 9, Appli	
3	90	100.0	18	9	US-09-840-009-16	Sequence 16, Appli	
4	90	100.0	18	9	US-09-840-009-23	Sequence 23, Appli	
5	90	100.0	18	9	US-09-840-009-30	Sequence 30, Appli	
6	90	100.0	18	14	US-10-060-102-9	Sequence 9, Appli	
7	90	100.0	18	14	US-10-060-102-12	Sequence 12, Appli	
8	90	100.0	18	15	US-10-721-839-9	Sequence 9, Appli	
9	90	100.0	18	15	US-10-721-839-12	Sequence 12, Appli	
10	90	100.0	18	17	US-10-721-829-9	Sequence 9, Appli	
11	90	100.0	18	17	US-10-721-829-12	Sequence 12, Appli	

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; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-12

Query Match 97.8%; Score 88; DB 14; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.le-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
||:|||||
Db 1 KNLRRIIRKIIHIKKYG 18
||:|||||

RESULT 14
US-10-721-839-9
; Sequence 9, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-9

Query Match 97.8%; Score 88; DB 15; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.le-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
||:|||||
Db 1 KNLRRIIRKIIHIKKYG 18
||:|||||

RESULT 15
US-10-721-839-12
; Sequence 12, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY

; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-12

Query Match 97.8%; Score 88; DB 15; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.le-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
||:|||||
Db 1 KNLRRIIRKIIHIKKYG 18
||:|||||

Search completed: September 12, 2005, 21:37:54
Job time : 63.6929 secs

; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match 97.8%; Score 88; DB 9; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIHIKKYG 18
||:|||||
Db 1 KNLRRIIRKIHIKKYG 18
||:|||||

RESULT 10

US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match 97.8%; Score 88; DB 9; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIHIKKYG 18
||:|||||
Db 1 KNLRRIIRKIHIKKYG 18
||:|||||

RESULT 11

US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match 97.8%; Score 88; DB 9; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIHIKKYG 18
||:|||||
Db 1 KNLRRIIRKIHIKKYG 18
||:|||||

RESULT 12

US-10-060-102-9
; Sequence 9, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALIAN
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-9

Query Match 97.8%; Score 88; DB 14; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIHIKKYG 18
||:|||||
Db 1 KNLRRIIRKIHIKKYG 18
||:|||||

RESULT 13

US-10-060-102-12
; Sequence 12, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALIAN
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102

```

; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match          97.8%; Score 88; DB 9; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIHIHKYKG 18
   ||:|||||
Db 1 KNLRRIIRKIHIHKYKG 18

RESULT 8
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match          97.8%; Score 88; DB 9; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIHIHKYKG 18
   ||:|||||
Db 1 KNLRRIIRKIHIHKYKG 18

RESULT 9
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-10

Query Match      100.0%; Score 90; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRIIRKIHIKKYG 18
   |||||
Db 1 KNIRRIIRKIHIKKYG 18

RESULT 2
US-10-060-102-11
; Sequence 11, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-11

Query Match      100.0%; Score 90; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRIIRKIHIKKYG 18
   |||||
Db 1 KNIRRIIRKIHIKKYG 18

RESULT 3
US-10-721-839-10
; Sequence 10, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-10

Query Match      100.0%; Score 90; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRIIRKIHIKKYG 18
   |||||
Db 1 KNIRRIIRKIHIKKYG 18

RESULT 4
US-10-721-839-11
; Sequence 11, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-11

Query Match      100.0%; Score 90; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRIIRKIHIKKYG 18
   |||||
Db 1 KNIRRIIRKIHIKKYG 18

RESULT 5
US-10-721-829-10
; Sequence 10, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-10

Query Match      100.0%; Score 90; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRIIRKIHIKKYG 18
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Db 1 KNIRRIIRKIHIKKYG 18

RESULT 4
US-10-721-839-11
; Sequence 11, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-11

Query Match      100.0%; Score 90; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNIRRIIRKIHIKKYG 18
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Db 1 KNIRRIIRKIHIKKYG 18

RESULT 5
US-10-721-829-10
; Sequence 10, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 63.6429 Seconds
(without alignments)
111.556 Million cell updates/sec

Title: US-09-642-744E-6
Perfect score: 90
Sequence: 1 KNIRRIIRKIIHIKKYG 18

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1777461 seqs, 394431504 residues
Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications AA:
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22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	90	100.0	18	14	US-10-060-102-11
3	90	100.0	18	15	US-10-721-839-10
4	90	100.0	18	15	US-10-721-839-11
5	90	100.0	18	17	US-10-721-829-10
6	90	100.0	18	17	US-10-721-829-11
7	88	97.8	18	9	US-09-840-009-2
8	88	97.8	18	9	US-09-840-009-9
9	88	97.8	18	9	US-09-840-009-16
10	88	97.8	18	9	US-09-840-009-23
11	88	97.8	18	9	US-09-840-009-30

12	88	97.8	18	14	US-10-060-102-9	Sequence 9, Appli
13	88	97.8	18	14	US-10-060-102-12	Sequence 12, Appli
14	88	97.8	18	15	US-10-721-839-9	Sequence 9, Appli
15	88	97.8	18	15	US-10-721-839-12	Sequence 12, Appli
16	88	97.8	18	17	US-10-721-829-9	Sequence 9, Appli
17	88	97.8	18	17	US-10-721-829-12	Sequence 12, Appli
18	88	97.8	29	14	US-10-060-102-8	Sequence 8, Appli
19	88	97.8	29	15	US-10-721-839-8	Sequence 8, Appli
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25	83	92.2	18	9	US-09-840-009-18	Sequence 18, Appli
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31	83	92.2	18	17	US-10-721-829-25	Sequence 25, Appli
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33	82	91.1	18	9	US-09-840-009-12	Sequence 12, Appli
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35	82	91.1	18	9	US-09-840-009-26	Sequence 26, Appli
36	81	90.0	18	9	US-09-840-009-6	Sequence 6, Appli
37	81	90.0	18	9	US-09-840-009-7	Sequence 7, Appli
38	81	90.0	18	9	US-09-840-009-13	Sequence 13, Appli
39	81	90.0	18	9	US-09-840-009-14	Sequence 14, Appli
40	81	90.0	18	9	US-09-840-009-20	Sequence 20, Appli
41	81	90.0	18	9	US-09-840-009-21	Sequence 21, Appli
42	81	90.0	18	9	US-09-840-009-27	Sequence 27, Appli
43	81	90.0	18	9	US-09-840-009-28	Sequence 28, Appli
44	80	88.9	18	9	US-09-840-009-3	Sequence 3, Appli
45	80	88.9	18	9	US-09-840-009-10	Sequence 10, Appli

ALIGNMENTS

RESULT 1
US-10-060-102-10
; Sequence 10, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WEENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA-035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn ver. 2.1
; SEQ ID NO 10
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-10
Query Match 100.0% ; Score 90; DB 14; Length 18;
Best Local Similarity 100.0% ; Pred.No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-12

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Best Local Similarity 94.4%; Pred. No. 1.1e-06;
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Db 1 KNLRRIIRKIIHIKKYG 18

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; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/721,839
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-9

Query Match 97.8%; Score 88; DB 15; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Db 1 KNLRRIIRKIIHIKKYG 18

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US-10-721-839-12
; Sequence 12, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY

; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT FILING DATE: 2003-11-25
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; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-12

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Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Search completed: September 12, 2005, 21:37:54
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; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match 97.8%; Score 88; DB 9; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Db 1 KNLRRIIRKIHIKKYG 18

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US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVIPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match 97.8%; Score 88; DB 9; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
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Db 1 KNLRRIIRKIHIKKYG 18

RESULT 11

US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVIPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
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; SEQ ID NO 30
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; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match 97.8%; Score 88; DB 9; Length 18;
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; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-9

Query Match 97.8%; Score 88; DB 14; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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Db 1 KNLRRIIRKIHIKKYG 18

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US-10-060-102-12
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; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102

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; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-10

Query Match      100.0%; Score 90; DB 17; Length 18;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
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Db 1 KNIRRIIRKIIHIKKYG 18
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; Sequence 11, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA-035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; PRIOR FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-11

Query Match      100.0%; Score 90; DB 17; Length 18;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 KNIRRIIRKIIHIKKYG 18
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RESULT 7
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match      97.8%; Score 88; DB 9; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
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Db 1 KNIRRIIRKIIHIKKYG 18
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RESULT 8
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match      97.8%; Score 88; DB 9; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
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Db 1 KNIRRIIRKIIHIKKYG 18
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RESULT 9
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
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; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match      97.8%; Score 88; DB 9; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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RESULT 8
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match      97.8%; Score 88; DB 9; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.1e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
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RESULT 9
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
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Db 1 KNIRRIIRKIIHIKKYG 18

RESULT 2
US-10-060-102-11
; Sequence 11, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-11

Query Match 100.0%; Score 90; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 KNIRRIIRKIIHIKKYG 18

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; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
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; LENGTH: 18
; TYPE: PRT
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-10

Query Match 100.0%; Score 90; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 KNIRRIIRKIIHIKKYG 18

RESULT 4
US-10-721-839-11
; Sequence 11, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-11

Query Match 100.0%; Score 90; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 KNIRRIIRKIIHIKKYG 18

RESULT 5
US-10-721-829-10
; Sequence 10, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-10

Query Match 100.0%; Score 90; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
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Db 1 KNIRRIIRKIIHIKKYG 18

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US-10-721-839-11
; Sequence 11, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-11

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Best Local Similarity 100.0%; Pred. No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5
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; Publication No. US20050113776A1
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; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
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(without alignments)
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Sequence: 1 KNRRIRKIIHIKKYG 18

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Post-processing: Minimum Match 0%
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Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	90	100.0	18	15	US-10-721-839-11
5	90	100.0	18	17	US-10-721-829-10
6	90	100.0	18	17	US-10-721-829-11
7	88	97.8	18	9	US-09-840-009-2
8	88	97.8	18	9	US-09-840-009-9
9	88	97.8	18	9	US-09-840-009-16
10	88	97.8	18	9	US-09-840-009-23
11	88	97.8	18	9	US-09-840-009-30

12	88	97.8	18	14	US-10-060-102-9	Sequence 9, Appli
13	88	97.8	18	14	US-10-060-102-12	Sequence 12, Appli
14	88	97.8	18	15	US-10-721-839-9	Sequence 9, Appli
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17	88	97.8	18	17	US-10-721-829-12	Sequence 12, Appli
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26	83	92.2	18	9	US-09-840-009-22	Sequence 22, Appli
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41	81	90.0	18	9	US-09-840-009-21	Sequence 21, Appli
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44	80	88.9	18	9	US-09-840-009-3	Sequence 3, Appli
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ALIGNMENTS

RESULT 1
US-10-060-102-10
; Sequence 10, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA-035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 10
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-10

Query Match 100.0% Score 90; DB 14; Length 18;
Best Local Similarity 100.0%; Pred.No. 5.4e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-8

Query Match 100.0%; Score 90; DB 15; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e-06;
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Qy 1 KNLRRIIRKIIHIKKYG 18
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Db 1 KNLRRIIRKIIHIKKYG 18

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; Sequence 8, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALIAN
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
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; PRIOR FILING DATE: 2001-01-30
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-8

Query Match 100.0%; Score 90; DB 17; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e-06;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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US-10-060-102-10
; Sequence 10, Application US/10060102
; Publication No. US20030022829A1

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; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALIAN
; FILE REFERENCE: IOWA:035US
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; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
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; OTHER INFORMATION: Peptide
US-10-060-102-10

Query Match 97.8%; Score 88; DB 14; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.4e-06;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

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US-10-721-829-9
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; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-9

Query Match 100.0%; Score 90; DB 17; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.7e-07;
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Db 1 KNLRRIIRKIIHIKKYG 18

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US-10-721-829-12
; Sequence 12, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 18
; TYPE: PRT
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; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-12

Query Match 100.0%; Score 90; DB 17; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.7e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 12
US-10-060-102-8
; Sequence 8, Application US/10060102
; Publication No. US2003022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
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; SOFTWARE: PatentIn Ver. 2.1
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; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-8

Query Match 100.0%; Score 90; DB 14; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e-06;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 13
US-10-721-839-8
; Sequence 8, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
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; SEQ ID NO 12
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; OTHER INFORMATION: Peptide
US-10-721-829-12

Query Match 100.0%; Score 90; DB 17; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.7e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 12
US-10-060-102-8
; Sequence 8, Application US/10060102
; Publication No. US2003022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-8

Query Match 100.0%; Score 90; DB 14; Length 29;
Best Local Similarity 100.0%; Pred. No. 1.1e-06;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
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Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 13
US-10-721-839-8
; Sequence 8, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
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; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-9
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Best Local Similarity 100.0%; Pred. No. 6.7e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 7
US-10-060-102-12
; Sequence 12, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-12
Query Match 100.0%; Score 90; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.7e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 8
US-10-721-839-9
; Sequence 9, Application US/10721839
; Publication No. US20040086535A1
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; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-9
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Best Local Similarity 100.0%; Pred. No. 6.7e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 9
US-10-721-839-12
; Sequence 12, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-12
Query Match 100.0%; Score 90; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.7e-07;
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US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

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Best Local Similarity 100.0%; Pred. No. 6.7e-07;
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Db 1 KNLRRIIRKIIHIKKYG 18

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US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
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US-09-840-009-16

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Db 1 KNLRRIIRKIIHIKKYG 18

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US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.

; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
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US-09-840-009-23

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; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 30
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; TYPE: PRT
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; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match 100.0%; Score 90; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.7e-07;
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RESULT 6
US-10-060-102-9
; Sequence 9, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN

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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 63.6429 Seconds
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Title: US-09-642-744E-8

Perfect score: 90

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Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_AA:*

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	90	100.0	18	9	US-09-840-009-23
5	90	100.0	18	9	US-09-840-009-30
6	90	100.0	18	14	US-10-060-102-9
7	90	100.0	18	14	US-10-060-102-12
8	90	100.0	18	15	US-10-721-839-9
9	90	100.0	18	15	US-10-721-839-12
10	90	100.0	18	17	US-10-721-829-9
11	90	100.0	18	17	US-10-721-829-12

12	90	100.0	29	14	US-10-060-102-8	Sequence 8, Appli
13	90	100.0	29	15	US-10-721-839-8	Sequence 8, Appli
14	90	100.0	29	17	US-10-721-829-8	Sequence 8, Appli
15	88	97.8	18	14	US-10-060-102-10	Sequence 10, Appl
16	88	97.8	18	14	US-10-060-102-11	Sequence 11, Appl
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18	88	97.8	18	15	US-10-721-839-11	Sequence 11, Appl
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29	85	94.4	18	14	US-10-060-102-25	Sequence 25, Appl
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31	85	94.4	18	17	US-10-721-829-25	Sequence 25, Appl
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39	83	92.2	18	9	US-09-840-009-14	Sequence 14, Appl
40	83	92.2	18	9	US-09-840-009-20	Sequence 20, Appl
41	83	92.2	18	9	US-09-840-009-21	Sequence 21, Appl
42	83	92.2	18	9	US-09-840-009-27	Sequence 27, Appl
43	83	92.2	18	9	US-09-840-009-28	Sequence 28, Appl
44	82	91.1	18	9	US-09-840-009-3	Sequence 3, Appli
45	82	91.1	18	9	US-09-840-009-10	Sequence 10, Appl

ALIGNMENTS

RESULT 1
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 100.0%; Score 90; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 6.7e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 2

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; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-9

Query Match 100.0%; Score 79; DB 17; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.7e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NLRRIRKIIHIKKY 16
Db 2 NLRRIRKIIHIKKY 17

RESULT 14
US-10-721-829-12
; Sequence 12, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-12

Query Match 100.0%; Score 79; DB 17; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.7e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NLRRIRKIIHIKKY 16
Db 2 NLRRIRKIIHIKKY 17

RESULT 15
US-10-060-102-8
; Sequence 8, Application US/10060102
; Publication No. US20030022829A1

; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 29
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-8

Query Match 100.0%; Score 79; DB 14; Length 29;
Best Local Similarity 100.0%; Pred. No. 2.8e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NLRRIRKIIHIKKY 16
Db 2 NLRRIRKIIHIKKY 17

Search completed: September 12, 2005, 21:37:55
Job time : 56.6214 secs

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Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 NLRRIIRKIIHIKKY 16
Db 2 NLRRIIRKIIHIKKY 17

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; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA-035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-060-102-12
Query Match 100.0%; Score 79; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.7e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 NLRRIIRKIIHIKKY 16
Db 2 NLRRIIRKIIHIKKY 17

RESULT 11
US-10-721-839-9
; Sequence 9, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA-035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-721-839-9
Query Match 100.0%; Score 79; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.7e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 NLRRIIRKIIHIKKY 16
Db 2 NLRRIIRKIIHIKKY 17

RESULT 12
US-10-721-839-12
; Sequence 12, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA-035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 12
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-721-839-12
Query Match 100.0%; Score 79; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.7e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 NLRRIIRKIIHIKKY 16
Db 2 NLRRIIRKIIHIKKY 17

RESULT 13
US-10-721-829-9
; Sequence 9, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA-035US
; CURRENT APPLICATION NUMBER: US/10/721,829
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US-09-840-009-9

Query Match 100.0%; Score 79; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.7e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NLRRIIRKIIHIKKY 16
| | | | | | | | | | | | | | | | | |
DB 2 NLRRIIRKIIHIKKY 17

RESULT 6

US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match 100.0%; Score 79; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.7e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NLRRIIRKIIHIKKY 16
| | | | | | | | | | | | | | | | | |
DB 2 NLRRIIRKIIHIKKY 17

RESULT 7

US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match 100.0%; Score 79; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.7e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NLRRIIRKIIHIKKY 16
| | | | | | | | | | | | | | | | | |
DB 2 NLRRIIRKIIHIKKY 17

RESULT 8

US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match 100.0%; Score 79; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.7e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 NLRRIIRKIIHIKKY 16
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DB 2 NLRRIIRKIIHIKKY 17

RESULT 9

US-10-060-102-9
; Sequence 9, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMAL
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-9

Query Match 100.0%; Score 79; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.7e-05;

Qy 1 NLRRIRKIIHIKKY 16
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Db 1 NLRRIRKIIHIKKY 16

RESULT 2

US-10-721-839-14
; Sequence 14, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-14

Query Match 100.0%; Score 79; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.5e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NLRRIRKIIHIKKY 16
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Db 1 NLRRIRKIIHIKKY 16

RESULT 3

US-10-721-829-14
; Sequence 14, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14

; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-14

Query Match 100.0%; Score 79; DB 17; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.5e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NLRRIRKIIHIKKY 16
| | | | | | | | | |
Db 1 NLRRIRKIIHIKKY 16

RESULT 4

US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Leherer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 100.0%; Score 79; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.7e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NLRRIRKIIHIKKY 16
| | | | | | | | | |
Db 2 NLRRIRKIIHIKKY 17

RESULT 5

US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Leherer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine

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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 56.5714 Seconds
(without alignments)
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Title: US-09-642-744E-9
Perfect score: 79
Sequence: 1 NLRRIIRKIIHIKKY 16

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Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Listing first 45 summaries

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20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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1	79	100.0	16	14	US-10-060-102-14
2	79	100.0	16	15	US-10-721-839-14
3	79	100.0	16	17	US-10-721-829-14
4	79	100.0	18	9	US-09-840-009-2
5	79	100.0	18	9	US-09-840-009-9
6	79	100.0	18	9	US-09-840-009-16
7	79	100.0	18	9	US-09-840-009-23
8	79	100.0	18	9	US-09-840-009-30
9	79	100.0	18	14	US-10-060-102-9
10	79	100.0	18	14	US-10-060-102-12
11	79	100.0	18	15	US-10-721-839-9

12	79	100.0	18	15	US-10-721-839-12	Sequence 12, Appl
13	79	100.0	18	17	US-10-721-829-9	Sequence 9, Appl
14	79	100.0	18	17	US-10-721-829-12	Sequence 12, Appl
15	79	100.0	29	14	US-10-060-102-8	Sequence 8, Appl
16	79	100.0	29	15	US-10-721-839-8	Sequence 8, Appl
17	79	100.0	29	17	US-10-721-829-8	Sequence 8, Appl
18	77	97.5	16	14	US-10-060-102-15	Sequence 15, Appl
19	77	97.5	16	15	US-10-721-839-15	Sequence 15, Appl
20	77	97.5	16	17	US-10-721-829-15	Sequence 10, Appl
21	77	97.5	18	14	US-10-060-102-10	Sequence 10, Appl
22	77	97.5	18	14	US-10-060-102-11	Sequence 11, Appl
23	77	97.5	18	15	US-10-721-839-10	Sequence 10, Appl
24	77	97.5	18	15	US-10-721-839-11	Sequence 11, Appl
25	77	97.5	18	17	US-10-721-829-10	Sequence 10, Appl
26	77	97.5	18	17	US-10-721-829-11	Sequence 11, Appl
27	74	93.7	18	9	US-09-840-009-4	Sequence 4, Appl
28	74	93.7	18	9	US-09-840-009-8	Sequence 8, Appl
29	74	93.7	18	9	US-09-840-009-11	Sequence 11, Appl
30	74	93.7	18	9	US-09-840-009-15	Sequence 15, Appl
31	74	93.7	18	9	US-09-840-009-18	Sequence 18, Appl
32	74	93.7	18	9	US-09-840-009-22	Sequence 22, Appl
33	74	93.7	18	9	US-09-840-009-25	Sequence 25, Appl
34	74	93.7	18	9	US-09-840-009-29	Sequence 29, Appl
35	74	93.7	18	14	US-10-060-102-25	Sequence 25, Appl
36	74	93.7	18	15	US-10-721-839-25	Sequence 25, Appl
37	74	93.7	18	17	US-10-721-829-25	Sequence 25, Appl
38	73	92.4	18	9	US-09-840-009-5	Sequence 5, Appl
39	73	92.4	18	9	US-09-840-009-12	Sequence 12, Appl
40	73	92.4	18	9	US-09-840-009-19	Sequence 19, Appl
41	73	92.4	18	9	US-09-840-009-26	Sequence 26, Appl
42	72	91.1	18	9	US-09-840-009-6	Sequence 6, Appl
43	72	91.1	18	9	US-09-840-009-7	Sequence 7, Appl
44	72	91.1	18	9	US-09-840-009-13	Sequence 13, Appl
45	72	91.1	18	9	US-09-840-009-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-10-060-102-14
; Sequence 14, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patent In Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-14

Query Match 100.0%; Score 79; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.5e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-14

Query Match 97.5%; Score 77; DB 17; Length 16;
Best Local Similarity 93.8%; Pred. No. 2.9e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NRRRIKKIHHIKKY 16
|:|||||
Db 1 NLRRIKKIHHIKKY 16

RESULT 13
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 97.5%; Score 77; DB 9; Length 18;
Best Local Similarity 93.8%; Pred. No. 3.3e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NRRRIKKIHHIKKY 16
|:|||||
Db 2 NLRRIKKIHHIKKY 17

RESULT 14
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match 97.5%; Score 77; DB 9; Length 18;
Best Local Similarity 93.8%; Pred. No. 3.3e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NRRRIKKIHHIKKY 16
|:|||||
Db 2 NLRRIKKIHHIKKY 17

RESULT 15
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match 97.5%; Score 77; DB 9; Length 18;
Best Local Similarity 93.8%; Pred. No. 3.3e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NRRRIKKIHHIKKY 16
|:|||||
Db 2 NLRRIKKIHHIKKY 17

Search completed: September 12, 2005, 21:37:55
Job time : 56.6214 secs

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Db      2 NNRRIIRKIIHIKKY 17
|||||
RESULT 9
US-10-721-829-11
; Sequence 11, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-11
Query Match      100.0%; Score 79; DB 17; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.6e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 NNRRIIRKIIHIKKY 16
|||||
Db      2 NNRRIIRKIIHIKKY 17
|||||
RESULT 10
US-10-060-102-14
; Sequence 14, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-14
Query Match      97.5%; Score 77; DB 15; Length 16;
Best Local Similarity 93.8%; Pred. No. 2.9e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
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; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-14
Query Match      97.5%; Score 77; DB 14; Length 16;
Best Local Similarity 93.8%; Pred. No. 2.9e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 NNRRIIRKIIHIKKY 16
|||||
Db      1 NNRRIIRKIIHIKKY 16
|||||
RESULT 11
US-10-721-839-14
; Sequence 14, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-14
Query Match      97.5%; Score 77; DB 15; Length 16;
Best Local Similarity 93.8%; Pred. No. 2.9e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy      1 NNRRIIRKIIHIKKY 16
|||||
Db      1 NNRRIIRKIIHIKKY 16
|||||
RESULT 12
US-10-721-829-14
; Sequence 14, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2002-02-22
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; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-11

Query Match 100.0%; Score 79; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.6e-05; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 0;

Qy 1 NIRRIIRKIIHIKKY 16
| | | | | | | | | | | | | | | |
Db 2 NIRRIIRKIIHIKKY 17

RESULT 6

US-10-721-839-10
; Sequence 10, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US

; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-10

Query Match 100.0%; Score 79; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.6e-05; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 0;

Qy 1 NIRRIIRKIIHIKKY 16
| | | | | | | | | | | | | | | |
Db 2 NIRRIIRKIIHIKKY 17

RESULT 7

US-10-721-839-11
; Sequence 11, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK

; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-11

Query Match 100.0%; Score 79; DB 15; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.6e-05; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 0;

Qy 1 NIRRIIRKIIHIKKY 16
| | | | | | | | | | | | | | | |
Db 2 NIRRIIRKIIHIKKY 17

RESULT 8

US-10-721-829-10
; Sequence 10, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-10

Query Match 100.0%; Score 79; DB 17; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.6e-05; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 0;

Qy 1 NIRRIIRKIIHIKKY 16

Qy 1 NRRIRKIHIIKKY 16
| | | | | | | | | | | | | | | |
Db 1 NRRIRKIHIIKKY 16

RESULT 2
US-10-721-839-15
; Sequence 15, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-721-839-15

Query Match 100.0%; Score 79; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.4e-05; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NRRIRKIHIIKKY 16
| | | | | | | | | | | | | | | |
Db 1 NRRIRKIHIIKKY 16

RESULT 3
US-10-721-829-15
; Sequence 15, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15

Query Match 100.0%; Score 79; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.4e-05; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NRRIRKIHIIKKY 16
| | | | | | | | | | | | | | | |
Db 1 NRRIRKIHIIKKY 16

RESULT 4
US-10-060-102-10
; Sequence 10, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-060-102-10

Query Match 100.0%; Score 79; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.6e-05; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NRRIRKIHIIKKY 16
| | | | | | | | | | | | | | | |
Db 2 NRRIRKIHIIKKY 17

RESULT 5
US-10-060-102-11
; Sequence 11, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT FILING DATE: 2002-02-22

; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-721-829-15

Query Match 100.0%; Score 79; DB 17; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.4e-05; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NRRIRKIHIIKKY 16
| | | | | | | | | | | | | | | |
Db 1 NRRIRKIHIIKKY 16

RESULT 4
US-10-060-102-10
; Sequence 10, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 10
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-10-060-102-10

Query Match 100.0%; Score 79; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.6e-05; Indels 0; Gaps 0;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NRRIRKIHIIKKY 16
| | | | | | | | | | | | | | | |
Db 2 NRRIRKIHIIKKY 17

RESULT 5
US-10-060-102-11
; Sequence 11, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT FILING DATE: 2002-02-22

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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 56.5714 Seconds
(without alignments)
111.556 Million cell updates/sec

Title: US-09-642-744E-10

Perfect score: 79

Sequence: 1 NRRIRKRIHIHKY 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1777461 seqs, 394431504 residues

Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/2/pubpaa/PCT_PUBCOMB.pep.*
- 2: /cgn2_6/ptodata/2/pubpaa/PCT_NEW_PUB.pep.*
- 3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
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- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/2/pubpaa/US10D_PUBCOMB.pep.*
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- 18: /cgn2_6/ptodata/2/pubpaa/US10_NEW_PUB.pep.*
- 19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
- 20: /cgn2_6/ptodata/2/pubpaa/US11_NEW_PUB.pep.*
- 21: /cgn2_6/ptodata/2/pubpaa/US60_NEW_PUB.pep.*
- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	79	100.0	16	14 US-10-060-102-15	Sequence 15, Appl
2	79	100.0	16	15 US-10-721-839-15	Sequence 15, Appl
3	79	100.0	16	17 US-10-721-829-15	Sequence 15, Appl
4	79	100.0	18	14 US-10-060-102-10	Sequence 10, Appl
5	79	100.0	18	14 US-10-060-102-11	Sequence 11, Appl
6	79	100.0	18	15 US-10-060-102-10	Sequence 10, Appl
7	79	100.0	18	15 US-10-721-839-11	Sequence 11, Appl
8	79	100.0	18	17 US-10-721-829-11	Sequence 11, Appl
9	79	100.0	18	17 US-10-721-829-11	Sequence 11, Appl
10	77	97.5	16	14 US-10-060-102-14	Sequence 14, Appl
11	77	97.5	16	15 US-10-721-839-14	Sequence 14, Appl

12	77	97.5	16	17	US-10-721-829-14	Sequence 14, Appl
13	77	97.5	18	9	US-09-840-009-2	Sequence 2, Appl
14	77	97.5	18	9	US-09-840-009-9	Sequence 9, Appl
15	77	97.5	18	9	US-09-840-009-16	Sequence 16, Appl
16	77	97.5	18	9	US-09-840-009-23	Sequence 23, Appl
17	77	97.5	18	9	US-09-840-009-30	Sequence 30, Appl
18	77	97.5	18	14	US-10-060-102-9	Sequence 9, Appl
19	77	97.5	18	14	US-10-060-102-12	Sequence 12, Appl
20	77	97.5	18	15	US-10-721-839-9	Sequence 9, Appl
21	77	97.5	18	15	US-10-721-839-12	Sequence 12, Appl
22	77	97.5	18	17	US-10-721-829-9	Sequence 9, Appl
23	77	97.5	18	17	US-10-721-829-12	Sequence 12, Appl
24	77	97.5	29	14	US-10-060-102-8	Sequence 8, Appl
25	77	97.5	29	15	US-10-721-839-8	Sequence 8, Appl
26	77	97.5	29	17	US-10-721-829-8	Sequence 8, Appl
27	72	91.1	18	9	US-09-840-009-4	Sequence 4, Appl
28	72	91.1	18	9	US-09-840-009-8	Sequence 8, Appl
29	72	91.1	18	9	US-09-840-009-11	Sequence 11, Appl
30	72	91.1	18	9	US-09-840-009-15	Sequence 15, Appl
31	72	91.1	18	9	US-09-840-009-18	Sequence 18, Appl
32	72	91.1	18	9	US-09-840-009-22	Sequence 22, Appl
33	72	91.1	18	9	US-09-840-009-25	Sequence 25, Appl
34	72	91.1	18	9	US-09-840-009-29	Sequence 29, Appl
35	72	91.1	18	14	US-10-060-102-25	Sequence 25, Appl
36	72	91.1	18	15	US-10-721-839-25	Sequence 25, Appl
37	72	91.1	18	17	US-10-721-829-25	Sequence 25, Appl
38	71	89.9	18	9	US-09-840-009-5	Sequence 5, Appl
39	71	89.9	18	9	US-09-840-009-12	Sequence 12, Appl
40	71	89.9	18	9	US-09-840-009-19	Sequence 19, Appl
41	71	89.9	18	9	US-09-840-009-26	Sequence 26, Appl
42	70	88.6	18	9	US-09-840-009-6	Sequence 6, Appl
43	70	88.6	18	9	US-09-840-009-7	Sequence 7, Appl
44	70	88.6	18	9	US-09-840-009-13	Sequence 13, Appl
45	70	88.6	18	9	US-09-840-009-14	Sequence 14, Appl

ALIGNMENTS

RESULT 1
US-10-060-102-15
; Sequence 15, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOMA-035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 15
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-15

Query Match 100.0%; Score 79; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 1.4e-05;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 13

US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. US20020082195A1

GENERAL INFORMATION:

; APPLICANT: Maury, Wendy
; APPLICANT: Stapleton, Jack
; APPLICANT: Roller, Richard
; APPLICANT: Stinski, Mark
; APPLICANT: McCray, Paul B.
; APPLICANT: Tack, Brian

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA-035US

; CURRENT APPLICATION NUMBER: US/10/060,102

; CURRENT FILING DATE: 2002-02-22

; PRIOR FILING DATE: 2001-04-19

; PRIOR APPLICATION NUMBER: US 09/606,858

; PRIOR FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 23

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE: Synthetic antimicrobial peptide

; OTHER INFORMATION: D-isoleucine

US-09-840-009-23

Query Match 100.0%; Score 66; DB 9; Length 18;

Best Local Similarity 100.0%; Pred. No. 0.00092;

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14

Db 3 LRRIRKIIHIKK 16

RESULT 14

US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. US20020082195A1

GENERAL INFORMATION:

; APPLICANT: Maury, Wendy
; APPLICANT: Stapleton, Jack
; APPLICANT: Roller, Richard
; APPLICANT: Stinski, Mark
; APPLICANT: McCray, Paul B.
; APPLICANT: Tack, Brian

; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA-035US

; CURRENT APPLICATION NUMBER: US/09/840,009

; CURRENT FILING DATE: 2001-04-19

; PRIOR FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 30

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE: Synthetic antimicrobial peptide

; OTHER INFORMATION: D-isoleucine

US-09-840-009-30

Query Match 100.0%; Score 66; DB 9; Length 18;

Best Local Similarity 100.0%; Pred. No. 0.00092;

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14

Db 3 LRRIRKIIHIKK 16

RESULT 15

US-10-060-102-9
; Sequence 9, Application US/10060102
; Publication No. US20030022829A1

GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA-035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentin Ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-9

Query Match 100.0%; Score 66; DB 14; Length 18;

Best Local Similarity 100.0%; Pred. No. 0.00092;

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14

Db 3 LRRIRKIIHIKK 16

Search completed: September 12, 2005, 21:37:56

Job time : 50.55 secs

Db 2 LRRIRKIIHIKK 15
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RESULT 9

US-10-721-829-14
; Sequence 14, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-14

Query Match 100.0%; Score 66; DB 17; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.00082;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
|||||

RESULT 10

US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 100.0%; Score 66; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00092;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
|||||

Db 3 LRRIRKIIHIKK 16

RESULT 11

US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match 100.0%; Score 66; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00092;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
|||||

Db 3 LRRIRKIIHIKK 16

RESULT 12

US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match 100.0%; Score 66; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00092;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
|||||

Db 3 LRRIRKIIHIKK 16

; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide

US-10-721-829-13

Query Match 100.0%; Score 66; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
| | | | | | | | | | | | | |
Db 1 LRRIRKIIHIKK 14

RESULT 6

US-10-721-829-18
; Sequence 18, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide

US-10-721-829-18

Query Match 100.0%; Score 66; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
| | | | | | | | | | | | | |
Db 1 LRRIRKIIHIKK 14

RESULT 7

US-10-060-102-14
; Sequence 14, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide

Query Match 100.0%; Score 66; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.00082;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
| | | | | | | | | | | | | |
Db 2 LRRIRKIIHIKK 15

RESULT 8

US-10-721-839-14
; Sequence 14, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI

; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide

Query Match 100.0%; Score 66; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.00082;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14

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Qy 1 LRRIRKIIHIKK 14
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Db 1 LRRIRKIIHIKK 14

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US-10-060-102-18
; Sequence 18, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-18

Query Match 100.0%; Score 66; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 LRRIRKIIHIKK 14

RESULT 3
US-10-721-839-13
; Sequence 13, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-13

Query Match 100.0%; Score 66; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
    |||||
Db 1 LRRIRKIIHIKK 14

RESULT 4
US-10-721-839-18
; Sequence 18, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-18

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Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 LRRIRKIIHIKK 14

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; Sequence 13, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-13

Query Match 100.0%; Score 66; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db 1 LRRIRKIIHIKK 14

RESULT 5
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; Sequence 13, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 49.5 Seconds
(without alignments)
111.556 Million cell updates/sec

Title: US-09-642-744E-11

Perfect score: 66

Sequence: 1 LRRIRKIIHIKK 14

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Searched: 1777461 seqs, 394431504 residues

Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Listing first 45 summaries

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- 4: /cgn2_6/ptodata/2/pubpaa/US06_PUBCOMB.pep.*
- 5: /cgn2_6/ptodata/2/pubpaa/US07_NEW_PUB.pep.*
- 6: /cgn2_6/ptodata/2/pubpaa/PCTUS_PUBCOMB.pep.*
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- 11: /cgn2_6/ptodata/2/pubpaa/US09C_PUBCOMB.pep.*
- 12: /cgn2_6/ptodata/2/pubpaa/US09_NEW_PUB.pep.*
- 13: /cgn2_6/ptodata/2/pubpaa/US10A_PUBCOMB.pep.*
- 14: /cgn2_6/ptodata/2/pubpaa/US10B_PUBCOMB.pep.*
- 15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
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- 22: /cgn2_6/ptodata/2/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	66	100.0	14	14 US-10-060-102-18	Sequence 18, Appl
3	66	100.0	14	15 US-10-721-839-13	Sequence 13, Appl
4	66	100.0	14	15 US-10-721-839-18	Sequence 18, Appl
5	66	100.0	14	17 US-10-721-829-13	Sequence 13, Appl
6	66	100.0	14	17 US-10-721-829-18	Sequence 18, Appl
7	66	100.0	14	17 US-10-721-829-14	Sequence 14, Appl
8	66	100.0	16	14 US-10-060-102-14	Sequence 14, Appl
9	66	100.0	16	15 US-10-721-839-14	Sequence 14, Appl
10	66	100.0	18	17 US-10-721-829-14	Sequence 14, Appl
11	66	100.0	18	9 US-09-840-009-9	Sequence 9, Appl

12	66	100.0	18	9 US-09-840-009-16	Sequence 16, Appl
13	66	100.0	18	9 US-09-840-009-23	Sequence 23, Appl
14	66	100.0	18	9 US-09-840-009-30	Sequence 30, Appl
15	66	100.0	18	14 US-10-060-102-9	Sequence 9, Appl
16	66	100.0	18	14 US-10-060-102-12	Sequence 12, Appl
17	66	100.0	18	15 US-10-721-839-9	Sequence 9, Appl
18	66	100.0	18	15 US-10-721-839-12	Sequence 12, Appl
19	66	100.0	18	17 US-10-721-829-9	Sequence 9, Appl
20	66	100.0	18	17 US-10-721-829-12	Sequence 12, Appl
21	66	100.0	29	14 US-10-060-102-8	Sequence 8, Appl
22	66	100.0	29	15 US-10-721-839-8	Sequence 8, Appl
23	66	100.0	29	17 US-10-721-829-8	Sequence 8, Appl
24	64	97.0	14	14 US-10-060-102-19	Sequence 19, Appl
25	64	97.0	14	14 US-10-060-102-20	Sequence 20, Appl
26	64	97.0	14	15 US-10-721-839-19	Sequence 19, Appl
27	64	97.0	14	15 US-10-721-839-20	Sequence 20, Appl
28	64	97.0	14	17 US-10-721-829-19	Sequence 19, Appl
29	64	97.0	14	17 US-10-721-829-20	Sequence 20, Appl
30	64	97.0	16	14 US-10-060-102-15	Sequence 15, Appl
31	64	97.0	16	15 US-10-721-839-15	Sequence 15, Appl
32	64	97.0	16	17 US-10-721-829-15	Sequence 15, Appl
33	64	97.0	18	14 US-10-060-102-10	Sequence 10, Appl
34	64	97.0	18	14 US-10-060-102-11	Sequence 11, Appl
35	64	97.0	18	15 US-10-721-839-10	Sequence 10, Appl
36	64	97.0	18	15 US-10-721-839-11	Sequence 11, Appl
37	64	97.0	18	17 US-10-721-829-10	Sequence 10, Appl
38	64	97.0	18	17 US-10-721-829-11	Sequence 11, Appl
39	61	92.4	18	9 US-09-840-009-4	Sequence 4, Appl
40	61	92.4	18	9 US-09-840-009-8	Sequence 8, Appl
41	61	92.4	18	9 US-09-840-009-11	Sequence 11, Appl
42	61	92.4	18	9 US-09-840-009-15	Sequence 15, Appl
43	61	92.4	18	9 US-09-840-009-18	Sequence 18, Appl
44	61	92.4	18	9 US-09-840-009-22	Sequence 22, Appl
45	61	92.4	18	9 US-09-840-009-25	Sequence 25, Appl

ALIGNMENTS

RESULT 1
US-10-060-102-13
; Sequence 13, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA.035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-13

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Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 13

US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:

; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match 100.0%; Score 66; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00092; Mismatches 0; Indels 0; Gaps 0;

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 3 LRRIRKIIHIKK 16

RESULT 14

US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:

; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match 100.0%; Score 66; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00092; Mismatches 0; Indels 0; Gaps 0;

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 3 LRRIRKIIHIKK 16

RESULT 15

US-10-060-102-9
; Sequence 9, Application US/10060102
; Publication No. US20030022829A1

; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMAL
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patentin ver. 2.1
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-9

Query Match 100.0%; Score 66; DB 14; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00092; Mismatches 0; Indels 0; Gaps 0;

Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Db 3 LRRIRKIIHIKK 16

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; PRIOR APPLICATION NUMBER: A 1416/2000
; PRIOR FILING DATE: 2000-08-17
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 173
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic peptide
US-10-344-709C-5

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Best Local Similarity 85.7%; Pred. No. 2.6;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

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; Sequence 2, Application US/10269171A
; Publication No. US20030095979A1
; GENERAL INFORMATION:
; APPLICANT: Frank Mattner
; APPLICANT: Wolfgang Zauner
; APPLICANT: Walter Schmidt
; APPLICANT: Michael Buschle
; TITLE OF INVENTION: Pharmaceutical preparations comprising modified
; FILE OF INVENTION: peptides
; FILE REFERENCE: SONN:020US
; CURRENT APPLICATION NUMBER: US/10/269,171A
; CURRENT FILING DATE: 2002-10-11
; PRIOR APPLICATION NUMBER: PCT/EP01/04313
; PRIOR FILING DATE: 2001-04-17
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic Peptide
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (22)
; OTHER INFORMATION: Xaa = anything
US-10-269-171A-2

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Job time : 60.1571 secs

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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 18.2143 Seconds
(without alignments)
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Title: US-09-642-744E-6

Perfect score: 90

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Post-processing: Minimum Match 0%

Maximum Match 100%

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SUMMARIES

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5	88	97.8	18	4	US-09-840-009-30
6	83	92.2	18	4	US-09-840-009-4
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13	83	92.2	18	4	US-09-840-009-29
14	82	91.1	18	4	US-09-840-009-5
15	82	91.1	18	4	US-09-840-009-12
16	82	91.1	18	4	US-09-840-009-19
17	82	91.1	18	4	US-09-840-009-26
18	81	90.0	18	4	US-09-840-009-6
19	81	90.0	18	4	US-09-840-009-7
20	81	90.0	18	4	US-09-840-009-13
21	81	90.0	18	4	US-09-840-009-14
22	81	90.0	18	4	US-09-840-009-20
23	81	90.0	18	4	US-09-840-009-21
24	81	90.0	18	4	US-09-840-009-27
25	81	90.0	18	4	US-09-840-009-28
26	80	88.9	18	4	US-09-840-009-3
27	80	88.9	18	4	US-09-840-009-10

28	80	88.9	18	4	US-09-840-009-17
29	80	88.9	18	4	US-09-840-009-24
30	80	88.9	18	4	US-09-840-009-31
31	74	82.2	18	4	US-09-840-009-34
32	74	82.2	18	4	US-09-840-009-35
33	72	80.0	18	4	US-09-840-009-32
34	72	80.0	18	4	US-09-840-009-33
35	68	75.6	18	4	US-09-840-009-1
36	63	70.0	18	4	US-09-840-009-36
37	63	70.0	18	4	US-09-840-009-37
38	55	61.1	160	4	US-09-917-340-36
39	52	57.8	169	4	US-09-270-767-35406
40	52	57.8	169	4	US-09-270-767-50623
41	41	48	205	3	US-09-134-001C-4766
42	44	48.9	24	4	US-09-785-059B-5
43	44	48.9	36	4	US-09-785-059B-6
44	44	48.9	42	4	US-09-785-059B-7
45	44	48.9	48	4	US-09-785-059B-8

ALIGNMENTS

RESULT 1
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehner, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 97.8%; Score 88; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. NO. 3.9e-07;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIHIKKYG 18
Db 1 KNIRRIIRKIHIKKYG 18

RESULT 2
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehner, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9

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; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match          97.8%; Score 88; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 3.9e-07;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
   ||:|||||
Db 1 KNLRRIIRKIIHIKKYG 18
   ||:|||||

RESULT 3
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match          97.8%; Score 88; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 3.9e-07;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
   ||:|||||
Db 1 KNLRRIIRKIIHIKKYG 18
   ||:|||||

RESULT 4
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match          97.8%; Score 88; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 3.9e-07;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
   ||:|||||
Db 1 KNLRRIIRKIIHIKKYG 18
   ||:|||||

RESULT 5
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match          97.8%; Score 88; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 3.9e-07;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
   ||:|||||
Db 1 KNLRRIIRKIIHIKKYG 18
   ||:|||||

RESULT 6
US-09-840-009-4
; Sequence 4, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-4

Query Match          97.8%; Score 88; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 3.9e-07;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
   ||:|||||
Db 1 KNLRRIIRKIIHIKKYG 18
   ||:|||||

Query Match          92.2%; Score 83; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 2.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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QY 1 KNIRRIIRKIIHIKKYG 18
||:|||||
Db 1 KNLRRTIRKIIHIKKYG 18

RESULT 7

US-09-840-009-8

; Sequence 8, Application US/09840009

; Patent No. 6492328

; GENERAL INFORMATION:

; APPLICANT: Lehrner, Robert I.

; APPLICANT: Waring, Alan J.

; APPLICANT: Tack, Brian F.

; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES

; FILE REFERENCE: 06510-195W0

; CURRENT APPLICATION NUMBER: US/09/840,009

; CURRENT FILING DATE: 2001-04-19

; PRIOR APPLICATION NUMBER: US 09/606,858

; PRIOR FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 8

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic antimicrobial peptide

; OTHER INFORMATION: D-alanine

US-09-840-009-8

Query Match 92.2%; Score 83; DB 4; Length 18;

Best Local Similarity 88.9%; Pred. No. 2.2e-06;

Matches 16; Conservative 1; Mismatches 1; Indels 0;

QY 1 KNIRRIIRKIIHIKKYG 18
||:|||||

Db 1 KNLRRAIRKIIHIKKYG 18

RESULT 8

US-09-840-009-11

; Sequence 11, Application US/09840009

; Patent No. 6492328

; GENERAL INFORMATION:

; APPLICANT: Lehrner, Robert I.

; APPLICANT: Waring, Alan J.

; APPLICANT: Tack, Brian F.

; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES

; FILE REFERENCE: 06510-195W0

; CURRENT APPLICATION NUMBER: US/09/840,009

; CURRENT FILING DATE: 2001-04-19

; PRIOR APPLICATION NUMBER: US 09/606,858

; PRIOR FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 11

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic antimicrobial peptide

US-09-840-009-11

Query Match 92.2%; Score 83; DB 4; Length 18;

Best Local Similarity 88.9%; Pred. No. 2.2e-06;

Matches 16; Conservative 1; Mismatches 1; Indels 0;

QY 1 KNIRRIIRKIIHIKKYG 18
||:|||||

Db 1 KNLRRTIRKIIHIKKYG 18

RESULT 9

US-09-840-009-15

; Sequence 15, Application US/09840009

; Patent No. 6492328

; GENERAL INFORMATION:

; APPLICANT: Lehrner, Robert I.

; APPLICANT: Waring, Alan J.

; APPLICANT: Tack, Brian F.

; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES

; FILE REFERENCE: 06510-195W0

; CURRENT APPLICATION NUMBER: US/09/840,009

; CURRENT FILING DATE: 2001-04-19

; PRIOR APPLICATION NUMBER: US 09/606,858

; PRIOR FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 15

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic antimicrobial peptide

; OTHER INFORMATION: D-alanine

US-09-840-009-15

Query Match 92.2%; Score 83; DB 4; Length 18;

Best Local Similarity 88.9%; Pred. No. 2.2e-06;

Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KNIRRIIRKIIHIKKYG 18
||:|||||

Db 1 KNLRRIARKIIHIKKYG 18

RESULT 10

US-09-840-009-18

; Sequence 18, Application US/09840009

; Patent No. 6492328

; GENERAL INFORMATION:

; APPLICANT: Lehrner, Robert I.

; APPLICANT: Waring, Alan J.

; APPLICANT: Tack, Brian F.

; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES

; FILE REFERENCE: 06510-195W0

; CURRENT APPLICATION NUMBER: US/09/840,009

; CURRENT FILING DATE: 2001-04-19

; PRIOR APPLICATION NUMBER: US 09/606,858

; PRIOR FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 18

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic antimicrobial peptide

US-09-840-009-18

Query Match 92.2%; Score 83; DB 4; Length 18;

Best Local Similarity 88.9%; Pred. No. 2.2e-06;

Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KNIRRIIRKIIHIKKYG 18
||:|||||

Db 1 KNLRRIARKIIHIKKYG 18

RESULT 11

US-09-840-009-22

; Sequence 22, Application US/09840009

; Patent No. 6492328

; GENERAL INFORMATION:

; APPLICANT: Lehrner, Robert I.

; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-22

Query Match 92.2%; Score 83; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 2.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
||:||||| |||||
Db 1 KNLRRIIRKIAHIKKYG 18

RESULT 12

US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-25

Query Match 92.2%; Score 83; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 2.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
||:||||| |||||
Db 1 KNLRRIIRKIAHIKKYG 18

RESULT 13

US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; ;

; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-29

Query Match 92.2%; Score 83; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 2.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
||:||||| |||||
Db 1 KNLRRIIRKIAHIKKYG 18

RESULT 14

US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-5

Query Match 91.1%; Score 82; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 3.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
||:||||| |||||
Db 1 KNLRRIIRKIAHIKKYG 18

RESULT 15

US-09-840-009-12
; Sequence 12, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18
; ;

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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-12

Query Match      91.1%; Score 82; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 3.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KNIRRIIRKIIHIKKYG 18
      ||:||| ||||| |||||
Db      1 KNLRRIIRKIIHIKKYG 18

Search completed: September 12, 2005, 19:54:20
Job time : 18.2143 secs
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 18.2143 Seconds
(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-1
Perfect score: 90
Sequence: 1 KNLRRIIRKIIHIKKYG 18

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA.*

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- 2: /cgn2_6/ptodata/1/iaa/5B COMB.pep.*
- 3: /cgn2_6/ptodata/1/iaa/6A COMB.pep.*
- 4: /cgn2_6/ptodata/1/iaa/6B COMB.pep.*
- 5: /cgn2_6/ptodata/1/iaa/PTUS COMB.pep.*
- 6: /cgn2_6/ptodata/1/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	90	100.0	18	4	US-09-840-009-9
3	90	100.0	18	4	US-09-840-009-16
4	90	100.0	18	4	US-09-840-009-23
5	90	100.0	18	4	US-09-840-009-30
6	85	94.4	18	4	US-09-840-009-4
7	85	94.4	18	4	US-09-840-009-8
8	85	94.4	18	4	US-09-840-009-11
9	85	94.4	18	4	US-09-840-009-15
10	85	94.4	18	4	US-09-840-009-18
11	85	94.4	18	4	US-09-840-009-22
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20	83	92.2	18	4	US-09-840-009-13
21	83	92.2	18	4	US-09-840-009-14
22	83	92.2	18	4	US-09-840-009-20
23	83	92.2	18	4	US-09-840-009-21
24	83	92.2	18	4	US-09-840-009-27
25	83	92.2	18	4	US-09-840-009-28
26	82	91.1	18	4	US-09-840-009-3
27	82	91.1	18	4	US-09-840-009-10

28 82 91.1 18 4 US-09-840-009-17 Sequence 17, Appl
29 82 91.1 18 4 US-09-840-009-24 Sequence 24, Appl
30 82 91.1 18 4 US-09-840-009-31 Sequence 31, Appl
31 76 84.4 18 4 US-09-840-009-34 Sequence 34, Appl
32 76 84.4 18 4 US-09-840-009-35 Sequence 35, Appl
33 74 82.2 18 4 US-09-840-009-32 Sequence 32, Appl
34 74 82.2 18 4 US-09-840-009-33 Sequence 33, Appl
35 70 77.8 18 4 US-09-840-009-1 Sequence 1, Appl
36 65 72.2 18 4 US-09-840-009-36 Sequence 36, Appl
37 65 72.2 18 4 US-09-840-009-37 Sequence 37, Appl
38 57 63.3 160 4 US-09-917-340-36 Sequence 35, Appl
39 50 55.6 169 4 US-09-270-767-35406 Sequence 35406, A
40 50 55.6 169 4 US-09-270-767-50623 Sequence 50623, A
41 50 55.6 205 3 US-09-134-001C-4766 Sequence 4766, Ap
42 43.5 48.3 167 4 US-09-710-279-1502 Sequence 1502, Ap
43 43.5 48.3 320 3 US-09-134-001C-3823 Sequence 3823, Ap
44 43 47.8 823 4 US-09-949-016-8339 Sequence 8339, Ap
45 42 46.7 24 4 US-09-785-059B-5 Sequence 5, Appl

ALIGNMENTS

RESULT 1
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 100.0%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
| | | | | | | | | | | | | | | | | |
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 2
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9

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; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match      100.0%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNLRRIIRKIIHIKKYG 18
   |||||
Db 1 KNLRRIIRKIIHIKKYG 18
   |||||

RESULT 3
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match      100.0%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNLRRIIRKIIHIKKYG 18
   |||||
Db 1 KNLRRIIRKIIHIKKYG 18
   |||||

RESULT 4
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match      100.0%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNLRRIIRKIIHIKKYG 18
   |||||
Db 1 KNLRRIIRKIIHIKKYG 18
   |||||

RESULT 5
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match      100.0%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNLRRIIRKIIHIKKYG 18
   |||||
Db 1 KNLRRIIRKIIHIKKYG 18
   |||||

RESULT 6
US-09-840-009-4
; Sequence 4, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-4

Query Match      100.0%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 KNLRRIIRKIIHIKKYG 18
   |||||
Db 1 KNLRRIIRKIIHIKKYG 18
   |||||

Query Match      94.4%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 1 KNLRRIIRKIIHIKKYG 18
| | | | | | | | | | | | | | | | | |
Db 1 KNLRRTIRKIIHIKKYG 18

RESULT 7

US-09-840-009-8

; Sequence 8, Application US/09840009

; Patent No. 6492328

; GENERAL INFORMATION:

; APPLICANT: Lehrer, Robert I.

; APPLICANT: Waring, Alan J.

; APPLICANT: Tack, Brian F.

; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES

; FILE REFERENCE: 06510-195W0

; CURRENT APPLICATION NUMBER: US/09/840,009

; CURRENT FILING DATE: 2001-04-19

; PRIOR APPLICATION NUMBER: US 09/606,858

; PRIOR FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 8

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic antimicrobial peptide

; OTHER INFORMATION: D-alanine

US-09-840-009-8

Query Match 94.4%; Score 85; DB 4; Length 18;

Best Local Similarity 94.4%; Pred. No. 1.2e-06;

Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
| | | | | | | | | | | | | | | | | |
Db 1 KNLRRAIRKIIHIKKYG 18

RESULT 8

US-09-840-009-11

; Sequence 11, Application US/09840009

; Patent No. 6492328

; GENERAL INFORMATION:

; APPLICANT: Lehrer, Robert I.

; APPLICANT: Waring, Alan J.

; APPLICANT: Tack, Brian F.

; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES

; FILE REFERENCE: 06510-195W0

; CURRENT APPLICATION NUMBER: US/09/840,009

; CURRENT FILING DATE: 2001-04-19

; PRIOR APPLICATION NUMBER: US 09/606,858

; PRIOR FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 11

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic antimicrobial peptide

US-09-840-009-11

Query Match 94.4%; Score 85; DB 4; Length 18;

Best Local Similarity 94.4%; Pred. No. 1.2e-06;

Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
| | | | | | | | | | | | | | | | | |
Db 1 KNLRRTIRKIIHIKKYG 18

RESULT 9

US-09-840-009-15

; Sequence 15, Application US/09840009

; Patent No. 6492328

; GENERAL INFORMATION:

; APPLICANT: Lehrer, Robert I.

; APPLICANT: Waring, Alan J.

; APPLICANT: Tack, Brian F.

; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES

; FILE REFERENCE: 06510-195W0

; CURRENT APPLICATION NUMBER: US/09/840,009

; CURRENT FILING DATE: 2001-04-19

; PRIOR APPLICATION NUMBER: US 09/606,858

; PRIOR FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 15

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic antimicrobial peptide

; OTHER INFORMATION: D-alanine

US-09-840-009-15

Query Match 94.4%; Score 85; DB 4; Length 18;

Best Local Similarity 94.4%; Pred. No. 1.2e-06;

Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
| | | | | | | | | | | | | | | | | |
Db 1 KNLRRTIRKIIHIKKYG 18

RESULT 10

US-09-840-009-18

; Sequence 18, Application US/09840009

; Patent No. 6492328

; GENERAL INFORMATION:

; APPLICANT: Lehrer, Robert I.

; APPLICANT: Waring, Alan J.

; APPLICANT: Tack, Brian F.

; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES

; FILE REFERENCE: 06510-195W0

; CURRENT APPLICATION NUMBER: US/09/840,009

; CURRENT FILING DATE: 2001-04-19

; PRIOR APPLICATION NUMBER: US 09/606,858

; PRIOR FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 18

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic antimicrobial peptide

US-09-840-009-18

Query Match 94.4%; Score 85; DB 4; Length 18;

Best Local Similarity 94.4%; Pred. No. 1.2e-06;

Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
| | | | | | | | | | | | | | | | | |
Db 1 KNLRRTIRKIIHIKKYG 18

RESULT 11

US-09-840-009-22

; Sequence 22, Application US/09840009

; Patent No. 6492328

; GENERAL INFORMATION:

; APPLICANT: Lehrer, Robert I.

```
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-22

Query Match          94.4%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKAIHIKKYG 18

RESULT 12
US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-25

Query Match          94.4%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKTHIHIKKYG 18

RESULT 13
US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
```

```
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-29

Query Match          94.4%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKAIHIKKYG 18

RESULT 14
US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Tack, Brian F.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-5

Query Match          93.3%; Score 84; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.8e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 15
US-09-840-009-12
; Sequence 12, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18
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```
Db      2  LRRIRKIIHIKK 15
|||||
RESULT 9
US-10-721-829-14
; Sequence 14, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:0350S
; CURRENT APPLICATION NUMBER: US/10/721.829
; CURRENT FILING DATE: 2003-11-25
; PRIOR FILING DATE: US/10/060,102
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-14
Query Match      100.0%; Score 66; DB 17; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.00082;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  LRRIRKIIHIKK 14
|||||
Db      2  LRRIRKIIHIKK 15
|||||
RESULT 10
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2
Query Match      100.0%; Score 66; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00092;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Db      1  LRRIRKIIHIKK 14
|||||
Db      3  LRRIRKIIHIKK 16
|||||
RESULT 11
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9
Query Match      100.0%; Score 66; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00092;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  LRRIRKIIHIKK 14
|||||
Db      3  LRRIRKIIHIKK 16
|||||
RESULT 12
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. US20020082195A1
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16
Query Match      100.0%; Score 66; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00092;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1  LRRIRKIIHIKK 14
|||||
Db      3  LRRIRKIIHIKK 16
|||||
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; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-13

Query Match 100.0%; Score 66; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
| | | | | | | | | | | | | |
Db 1 LRRIRKIIHIKK 14

RESULT 6
US-10-721-829-18
; Sequence 18, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-18

Query Match 100.0%; Score 66; DB 17; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
| | | | | | | | | | | | | |
Db 1 LRRIRKIIHIKK 14

RESULT 7
US-10-060-102-14
; Sequence 14, Application US/10060102
; Publication No. US2003002829A1
; GENERAL INFORMATION:

; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-14

Query Match 100.0%; Score 66; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.00082;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
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Db 2 LRRIRKIIHIKK 15

RESULT 8
US-10-721-839-14
; Sequence 14, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; FILE REFERENCE: IOWA:035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-14

Query Match 100.0%; Score 66; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.00082;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14

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Qy 1 LRRIRKIIHIKK 14
    |||||
Db 1 LRRIRKIIHIKK 14

RESULT 2
US-10-060-102-18
; Sequence 18, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA.035US
; CURRENT APPLICATION NUMBER: US/10/060,102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-18

Query Match 100.0%; Score 66; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
    |||||
Db 1 LRRIRKIIHIKK 14

RESULT 3
US-10-721-839-13
; Sequence 13, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA.035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-13

Query Match 100.0%; Score 66; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
    |||||
Db 1 LRRIRKIIHIKK 14

RESULT 4
US-10-721-839-18
; Sequence 18, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA.035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-18

Query Match 100.0%; Score 66; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
    |||||
Db 1 LRRIRKIIHIKK 14

RESULT 5
US-10-721-829-13
; Sequence 13, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA.035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-13

Query Match 100.0%; Score 66; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
    |||||
Db 1 LRRIRKIIHIKK 14
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-13

Query Match 100.0%; Score 66; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
    |||||
Db 1 LRRIRKIIHIKK 14

RESULT 4
US-10-721-839-18
; Sequence 18, Application US/10721839
; Publication No. US20040086535A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA.035US
; CURRENT APPLICATION NUMBER: US/10/721,839
; CURRENT FILING DATE: 2003-11-25
; PRIOR APPLICATION NUMBER: US/10/060,102
; PRIOR FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 18
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-839-18

Query Match 100.0%; Score 66; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
    |||||
Db 1 LRRIRKIIHIKK 14

RESULT 5
US-10-721-829-13
; Sequence 13, Application US/10721829
; Publication No. US20050113776A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, WENDY
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA.035US
; CURRENT APPLICATION NUMBER: US/10/721,829
; CURRENT FILING DATE: 2003-11-25
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-721-829-13

Query Match 100.0%; Score 66; DB 15; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
    |||||
Db 1 LRRIRKIIHIKK 14
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:47:58 ; Search time 49.5 Seconds
(without alignments)
111.556 Million cell updates/sec

Title: US-09-642-744E-12

Perfect score: 66

Sequence: 1 LRRIRKIIHIKK 14

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Gapop 10.0 , Gapext 0.5

Searched: 1777461 seqs, 394431504 residues

Total number of hits satisfying chosen parameters: 1777461

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	66	100.0	14	14	US-10-060-102-18
3	66	100.0	14	15	US-10-721-839-13
4	66	100.0	14	15	US-10-721-839-18
5	66	100.0	14	17	US-10-721-829-13
6	66	100.0	14	17	US-10-721-829-18
7	66	100.0	16	14	US-10-060-102-14
8	66	100.0	16	15	US-10-721-839-14
9	66	100.0	16	17	US-10-721-829-14
10	66	100.0	18	9	US-09-840-009-2
11	66	100.0	18	9	US-09-840-009-9

12	66	100.0	18	9	US-09-840-009-16
13	66	100.0	18	9	US-09-840-009-23
14	66	100.0	18	9	US-09-840-009-30
15	66	100.0	18	14	US-10-060-102-9
16	66	100.0	18	14	US-10-060-102-12
17	66	100.0	18	15	US-10-721-839-9
18	66	100.0	18	15	US-10-721-839-12
19	66	100.0	18	17	US-10-721-829-9
20	66	100.0	18	17	US-10-721-829-12
21	66	100.0	29	14	US-10-060-102-8
22	66	100.0	29	15	US-10-721-839-8
23	66	100.0	29	17	US-10-721-829-8
24	64	97.0	14	14	US-10-060-102-19
25	64	97.0	14	14	US-10-060-102-20
26	64	97.0	14	15	US-10-721-839-19
27	64	97.0	14	15	US-10-721-839-20
28	64	97.0	14	17	US-10-721-829-19
29	64	97.0	14	17	US-10-721-829-20
30	64	97.0	16	14	US-10-060-102-15
31	64	97.0	16	15	US-10-721-839-15
32	64	97.0	16	17	US-10-721-829-15
33	64	97.0	18	14	US-10-060-102-10
34	64	97.0	18	14	US-10-060-102-11
35	64	97.0	18	15	US-10-721-839-11
36	64	97.0	18	15	US-10-721-829-11
37	64	97.0	18	17	US-10-721-829-10
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40	61	92.4	18	9	US-09-840-009-8
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42	61	92.4	18	9	US-09-840-009-15
43	61	92.4	18	9	US-09-840-009-18
44	61	92.4	18	9	US-09-840-009-22
45	61	92.4	18	9	US-09-840-009-25

ALIGNMENTS

RESULT 1
US-10-060-102-13
; Sequence 13, Application US/10060102
; Publication No. US20030022829A1
; GENERAL INFORMATION:
; APPLICANT: MAURY, JACK
; APPLICANT: STAPLETON, JACK
; APPLICANT: ROLLER, RICHARD
; APPLICANT: STINSKI, MARK
; APPLICANT: MCCRAY, PAUL B.
; APPLICANT: TACK, BRIAN
; TITLE OF INVENTION: NOVEL ANTIVIRAL ACTIVITIES OF PRIMATE THETA DEFENSINS AND MAMMALI
; TITLE OF INVENTION: CATHELICIDINS
; FILE REFERENCE: IOWA-035US
; CURRENT APPLICATION NUMBER: US/10/060.102
; CURRENT FILING DATE: 2002-02-22
; PRIOR APPLICATION NUMBER: 60/309,368
; PRIOR FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/265,270
; PRIOR FILING DATE: 2001-01-30
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: Patent in Ver. 2.1
; SEQ ID NO 13
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: Peptide
US-10-060-102-13

Query Match 100.0%; Score 66; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.00072; Indels 0; Gaps 0;
Matches 14; Conservative 0; Mismatches 0;

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; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-5
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Query Match      59.2%; Score 84; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.7e-05;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 KNLRRIIRKIIHIKKYG 18
      ||||| ||||| |||||
Db      1 KNLRRIIRKIIHIKKYG 18
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; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-18

Query Match          59.9%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-05;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIHIKKYG 18
Db 1 KNLRRIIRKIHIKKYG 18

RESULT 12
US-09-840-009-22
; Sequence 22, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-22

Query Match          59.9%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-05;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIHIKKYG 18
Db 1 KNLRRIIRKIHIKKYG 18

RESULT 13
US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
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; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-25

Query Match          59.9%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-05;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIHIKKYG 18
Db 1 KNLRRIIRKIHIKKYG 18

RESULT 14
US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-29

Query Match          59.9%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-05;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIHIKKYG 18
Db 1 KNLRRIIRKIHIKKYG 18

RESULT 15
US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
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```
Best Local Similarity 100.0%; Pred. No. 2.4e-06;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
    ||||| ||||| |||||
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 7
US-09-840-009-4
; Sequence 4, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-4

Query Match 59.9%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-05;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
    ||||| ||||| |||||
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 8
US-09-840-009-8
; Sequence 8, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-8

Query Match 59.9%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-05;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
    ||||| ||||| |||||
Db 1 KNLRRIIRKIIHIKKYG 18
```

```
RESULT 9
US-09-840-009-11
; Sequence 11, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-11

Query Match 59.9%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-05;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
    ||||| ||||| |||||
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 10
US-09-840-009-15
; Sequence 15, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-15

Query Match 59.9%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-05;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
    ||||| ||||| |||||
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 11
US-09-840-009-18
; Sequence 18, Application US/09840009
; Patent No. 6492328
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; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match      63.4%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.4e-06;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIHIKKYG 18
   |||||
Db 1 KNLRRIIRKIHIKKYG 18

RESULT 3
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match      63.4%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.4e-06;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIHIKKYG 18
   |||||
Db 1 KNLRRIIRKIHIKKYG 18

RESULT 4
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match      63.4%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.4e-06;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIHIKKYG 18
   |||||
Db 1 KNLRRIIRKIHIKKYG 18

RESULT 5
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match      63.4%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.4e-06;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIHIKKYG 18
   |||||
Db 1 KNLRRIIRKIHIKKYG 18

RESULT 6
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match      63.4%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.4e-06;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; NAME/KEY: Region
; LOCATION: 209..216
; FEATURE:
; NAME/KEY: Region
; LOCATION: 221..229
; FEATURE:
; NAME/KEY: Region
; LOCATION: 233..243
; FEATURE:
; NAME/KEY: Region
; LOCATION: 249..259
; FEATURE:
; NAME/KEY: Region
; LOCATION: 269..281
; US-08-284-465-6

Query Match      53.1%; Score 43; DB 2; Length 281;
Best Local Similarity 46.2%; Pred. No. 1e+02;
Matches 6; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KIKEKLKKGQKI 13
      |::||::|:
Db      138 KVKQLKELGDKV 150

; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-476-008-42

Query Match      53.1%; Score 43; DB 1; Length 428;
Best Local Similarity 53.3%; Pred. No. 1.5e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy      1 KIKEKLKKGQKI 15
      |::||::|:
Db      123 RVTEPLKKGAKIDG 137

Search completed: September 12, 2005, 19:54:27
Job time : 18.2024 secs
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RESULT 15
US-08-476-008-42
; Sequence 42, Application US/08476008
; Patent No. 5627061
; GENERAL INFORMATION:
; APPLICANT: Barry, Gerard F.
; APPLICANT: Kishore, Ganesh M.
; APPLICANT: Padgett, Stephen R.
; APPLICANT: Stallings, William C.
; TITLE OF INVENTION: Glycosylate Tolerant
; TITLE OF INVENTION: 5-Enolpyruvylshikimate-3-Phosphate Synthases
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dennis R. Hoerner, Jr., Monsanto Co. B84F
; STREET: 700 Chesterfield Village Parkway
; CITY: St. Louis
; STATE: Missouri
; COUNTRY: USA
; ZIP: 63198
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,008
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/306,063
; FILING DATE: 13-SEP-1994
; APPLICATION NUMBER: US 07/749,611
; FILING DATE: 28-AUG-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/576,537
; FILING DATE: 31-AUG-1990
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Hoerner Jr., Dennis R.
; REGISTRATION NUMBER: 30,914
; REFERENCE/DOCKET NUMBER: 38-21(10660)A
; TELEPHONE: (314)537-6099
; TELEFAX: (314)537-6047
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 428 amino acids
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QY 1 KIKEKLKKGQKIQ 14
::||: :||:|
Db 212 RVKEQKQKVGKIQ 225

RESULT 12
US-09-489-039A-11599
; Sequence 11599, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09/489,039A
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 11599
; LENGTH: 90
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-11599

Query Match 54.3%; Score 44; DB 4; Length 90;
Best Local Similarity 47.1%; Pred. No. 28;
Matches 8; Conservative 4; Mismatches 5; Indels 0; Gaps 0;

QY 1 KIKEKLKKGQKIQGLL 17
: ||||:|:|
Db 28 RFSEKQKVGKIRNYL 44

RESULT 13
US-09-489-039A-8456
; Sequence 8456, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09/489,039A
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 8456
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-8456

Query Match 54.3%; Score 44; DB 4; Length 434;
Best Local Similarity 53.8%; Pred. No. 1.1e+02;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY 2 IKEKLKKGQKIQ 14
:::|:|:|
Db 169 LNRLLKKGKIQ 181

RESULT 14
US-08-284-465-6
; Sequence 6, Application US/08284465
; Patent No. 5830457
; GENERAL INFORMATION:
; APPLICANT: GICQUEL, BRIGITTE
; APPLICANT: TIMM, JULIANO
; APPLICANT: TRIAS, JOAQUIM
; APPLICANT: DUEZ, COLETTE
; APPLICANT: PERILLI, MARIA-GRAZIA

; APPLICANT: DUSART, JEAN
; APPLICANT: FRERE, JEAN-MARIE
; TITLE OF INVENTION: RECOMBINANT BETA-LACTAMASE, USABLE AS
; TITLE OF INVENTION: CARRIER MOLECULE FOR THE PREPARATION OF IMMUNOGENIC
; TITLE OF INVENTION: COMPOSITIONS
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/284,465
; FILING DATE: 14-NOV-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 9201713
; FILING DATE: 14-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR 93/00151
; FILING DATE: 12-FEB-1993
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Region
; LOCATION: 27..34
; FEATURE:
; NAME/KEY: Region
; LOCATION: 37..44
; FEATURE:
; NAME/KEY: Region
; LOCATION: 48..53
; FEATURE:
; NAME/KEY: Region
; LOCATION: 64..75
; FEATURE:
; NAME/KEY: Region
; LOCATION: 98..104
; FEATURE:
; NAME/KEY: Region
; LOCATION: 111..118
; FEATURE:
; NAME/KEY: Region
; LOCATION: 123..133
; FEATURE:
; NAME/KEY: Region
; LOCATION: 136..146
; FEATURE:
; NAME/KEY: Region
; LOCATION: 157..162
; FEATURE:
; NAME/KEY: Region
; LOCATION: 174..184
; FEATURE:
; NAME/KEY: Region
; LOCATION: 192..204
; FEATURE:

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; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 4678
; LENGTH: 306
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4678

Query Match      58.0%; Score 47; DB 3; Length 306;
Best Local Similarity 61.5%; Pred. No. 32;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KIKEKLKKGIGKI 13
Db      163 KIKRLKKGDKV 175

RESULT 8
US-09-735-846-6
; Sequence 6, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 6
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Glycine max
US-09-735-846-6

Query Match      56.8%; Score 46; DB 4; Length 194;
Best Local Similarity 57.1%; Pred. No. 29;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy      1 KIKEKLKKGIGKI 14
Db      133 KVKHQEKVGKIQ 146

RESULT 9
US-09-735-846-20
; Sequence 20, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
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; SOFTWARE: Microsoft Office 97
; SEQ ID NO 20
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Glycine max
US-09-735-846-20

Query Match      56.8%; Score 46; DB 4; Length 363;
Best Local Similarity 57.1%; Pred. No. 51;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy      1 KIKEKLKKGIGKI 14
Db      243 KVKHQEKVGKIQ 256

RESULT 10
US-09-735-846-24
; Sequence 24, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 24
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-735-846-24

Query Match      55.6%; Score 45; DB 4; Length 329;
Best Local Similarity 50.0%; Pred. No. 64;
Matches 7; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KIKEKLKKGIGKI 14
Db      212 RVKEHQEKVGKIQ 225

RESULT 11
US-09-735-846-23
; Sequence 23, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 23
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-735-846-23

Query Match      55.6%; Score 45; DB 4; Length 331;
Best Local Similarity 50.0%; Pred. No. 64;
Matches 7; Conservative 6; Mismatches 1; Indels 0; Gaps 0;
```

;;
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Townsend and Townsend and Crew LLP
;; STREET: Two Embarcadero Center, 8th Floor
;; CITY: San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94111-3834
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/322.911
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/591,280
;; FILING DATE: August 1, 1996
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/916,761
;; FILING DATE: July 17, 1992
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/916,765
;; FILING DATE: July 17, 1992
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US93/06731
;; FILING DATE: July 15, 1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/313,681
;; FILING DATE: September 27, 1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Fitts, Renee A.
;; REGISTRATION NUMBER: 35,136
;; REFERENCE/DOCKET NUMBER: 15325-000920
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-326-2400
;; TELEFAX: 415-326-2422
;; INFORMATION FOR SEQ ID NO: 7:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 29 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 23
;; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 26
;; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 27
;; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
US-09-322-911-7

Query Match 77.8%; Score 63; DB 3; Length 29;
Best Local Similarity 82.4%; Pred. No. 0.025;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 KIKEKLKKIGKIOGLL 17
Db 12 KIKEKLKKIGKIOXXL 28

RESULT 5
PCT-US95-12080-4
; Sequence 4, Application PC/TUS9512080
; GENERAL INFORMATION:
; APPLICANT: Children's Medical Center Corporaton

;;
;; TITLE OF INVENTION: Synducin Mediated Modulation of Tissue Repair
;; NUMBER OF SEQUENCES: 4
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Patrea L. Pabst
;; STREET: 2800 One Atlantic Center
;; STREET: 1201 West Peachtree
;; CITY: Atlanta
;; STATE: Georgia
;; COUNTRY: USA
;; ZIP: 30309-3450
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US95/12080
;; FILING DATE:
;; CLASSIFICATION:
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (404)-873-8794
;; TELEFAX: (404)-815-8795
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 33 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
PCT-US95-12080-4

Query Match 69.1%; Score 56; DB 5; Length 33;
Best Local Similarity 85.7%; Pred. No. 0.26;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIKEKLKKIGKIQ 14
Db 9 KIGEKLKKIGKIK 22

RESULT 6
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; Sequence 25, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 25
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-735-846-25

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Best Local Similarity 57.1%; Pred. No. 24;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIKEKLKKIGKIQ 14
Db 205 KVEQEQEKVGKIQ 218

RESULT 7
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; Sequence 4, Application US/09134001C
; GENERAL INFORMATION:
; APPLICANT: Patent No. 6380370

RESULT 2
US-09-322-911-4
; Sequence 4, Application US/09322911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; STREET: Townsend and Townsend and Crew LLP
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09322,911
; FILING DATE:
; CLASSIFICATION:
; APPLICATION DATA:
; APPLICATION NUMBER: 08/691,280
; FILING DATE: August 1, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,761
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,765
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06731
; FILING DATE: July 15, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/313,681
; FILING DATE: September 27, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 15325-000920
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 171 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-322-911-4
Query Match 100.0%; Score 81; DB 3; Length 171;
Best Local Similarity 100.0%; Pred. No. 0.00038;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 KIKEKLLKIGKIQGLL 17
Db 146 KIKEKLLKIGKIQGLL 162
RESULT 3
US-08-313-681A-7
; Sequence 7, Application US/08313681A

; Patent No. 5618675
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESS: Townsend and Townsend Khoureie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,681A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Heslin, James M.
; REGISTRATION NUMBER: 29,541
; REFERENCE/DOCKET NUMBER: 15325-9-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 23
; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 26
; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 27
; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
US-08-313-681A-7
Query Match 77.8%; Score 63; DB 1; Length 29;
Best Local Similarity 82.4%; Pred. No. 0.025;
Matches 14; Conservative 0; Mismatches 3; Indels 0; Gaps 0;
Qy 1 KIKEKLLKIGKIQGLL 17
Db 12 KIKEKLLKIGKIQXXL 28
RESULT 4
US-09-322-911-7
; Sequence 7, Application US/09322911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30

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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 17.2024 Seconds
(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-26

Perfect score: 81
Sequence: 1 KIKEKLKIGKIQGLL 17

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Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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3	63	77.8	29	1 US-08-313-681A-7	Sequence 7, Appli
4	63	77.8	29	3 US-09-322-911-7	Sequence 7, Appli
5	56	69.1	33	5 PCT-US95-12080-4	Sequence 4, Appli
6	48	59.3	326	4 US-09-735-846-25	Sequence 25, Appli
7	47	58.0	306	3 US-09-134-001C-4678	Sequence 4678, Ap
8	46	56.8	194	4 US-09-735-846-6	Sequence 6, Appli
9	46	56.8	363	4 US-09-735-846-20	Sequence 20, Appli
10	45	55.6	329	4 US-09-735-846-24	Sequence 24, Appli
11	45	55.6	331	4 US-09-735-846-23	Sequence 23, Appli
12	44	54.3	90	4 US-09-489-039A-11599	Sequence 11599, A
13	44	54.3	434	4 US-09-489-039A-8456	Sequence 8456, Ap
14	43	53.1	281	2 US-08-284-465-6	Sequence 6, Appli
15	43	53.1	428	1 US-08-476-008-42	Sequence 42, Appli
16	43	53.1	428	1 US-08-306-063-42	Sequence 42, Appli
17	43	53.1	428	1 US-08-833-485-42	Sequence 42, Appli
18	43	53.1	428	3 US-09-137-440-42	Sequence 42, Appli
19	43	53.1	1105	4 US-09-540-236-3999	Sequence 3299, Ap
20	42	51.9	952	4 US-09-328-352-5611	Sequence 5611, Ap
21	41.5	51.2	1770	4 US-10-144-198-44	Sequence 44, Appli
22	41.5	51.2	2321	4 US-10-144-198-30	Sequence 30, Appli
23	41	50.6	99	3 US-09-134-001C-3848	Sequence 3848, Ap
24	41	50.6	101	3 US-09-461-697-204	Sequence 204, App
25	41	50.6	161	4 US-09-640-211A-1054	Sequence 1054, Ap
26	41	50.6	390	4 US-09-543-681A-5753	Sequence 5753, Ap
27	41	50.6	450	4 US-09-248-796A-15183	Sequence 15183, A

28	41	50.6	519	3	US-08-937-445D-2	Sequence 2, Appli
29	41	50.6	617	3	US-09-134-001C-4012	Sequence 4012, Ap
30	41	50.6	2710	2	US-08-568-459A-12	Sequence 12, Appli
31	41	50.6	2710	2	US-08-487-826B-12	Sequence 12, Appli
32	41	50.6	2710	3	US-09-210-288-12	Sequence 12, Appli
33	41	50.6	3060	2	US-08-487-826B-14	Sequence 14, Appli
34	41	50.6	3421	4	US-09-452-638-53	Sequence 53, Appli
35	40.5	50.0	319	4	US-09-328-352-6042	Sequence 6042, Ap
36	40	49.4	23	2	US-08-505-486-60	Sequence 60, Appli
37	40	49.4	23	3	US-08-801-028-60	Sequence 60, Appli
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39	40	49.4	23	4	US-09-482-611B-60	Sequence 60, Appli
40	40	49.4	23	5	PCT-US95-09338-60	Sequence 60, Appli
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45	40	49.4	27	3	US-08-801-028-62	Sequence 62, Appli

ALIGNMENTS

RESULT 1
US-08-313-681A-4
; Sequence 4, Application US/08313681A
; Patent No. 5618675
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,681A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Heelin, James M.
; REGISTRATION NUMBER: 29,541
; REFERENCE/DOCKET NUMBER: 15325-9-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 171 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-313-681A-4

Query Match 100.0%; Score 81; DB 1; Length 171;
Best Local Similarity 100.0%; Pred. No. 0.00038;
Matches 17; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 KIKEKLKIGKIQGLL 17
Db 146 KIKEKLKIGKIQGLL 162

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; GENERAL INFORMATION:
; APPLICANT: Barry, Gerard F.
; APPLICANT: Kishore, Ganesh M.
; APPLICANT: Padgett, Stephen R.
; APPLICANT: Stallings, William C.
; TITLE OF INVENTION: Glyphosate Tolerant
; TITLE OF INVENTION: 5-Enolpyruvylshikimate-3-Phosphate Synthases
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; STREET: 700 Chesterfield Village Parkway
; CITY: St. Louis
; STATE: Missouri
; COUNTRY: USA
; ZIP: 63198
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,008
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/306,063
; FILING DATE: 13-SEP-1994
; APPLICATION NUMBER: US 07/749,611
; FILING DATE: 28-AUG-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/576,537
; FILING DATE: 31-AUG-1990
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Hoerner Jr., Dennis R.
; REGISTRATION NUMBER: 30,914
; REFERENCE/DOCKET NUMBER: 38-21(10660)A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314)537-6099
; TELEFAX: (314)537-6047
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 428 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-476-008-42

Query Match 58.9%; Score 43; DB 1; Length 428;
Best Local Similarity 53.3%; Pred. No. 1.1e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 KIKEKLKKIGKIQ 15
Db 123 RVTEPLKKKGAKIDG 137

RESULT 15
US-08-306-063-42
; Sequence 42, Application US/08306063
; Patent No. 5633435
; GENERAL INFORMATION:
; APPLICANT: Barry, Gerard F.
; APPLICANT: Kishore, Ganesh M.
; APPLICANT: Padgett, Stephen R.
; APPLICANT: Stallings, William C.
; TITLE OF INVENTION: Glyphosate Tolerant
; TITLE OF INVENTION: 5-Enolpyruvylshikimate-3-Phosphate Synthases
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; STREET: 700 Chesterfield Village Parkway
; CITY: St. Louis
; STATE: Missouri
; COUNTRY: USA
; ZIP: 63198
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/306,063
; FILING DATE: 13-SEP-1994
; APPLICATION NUMBER: US 07/749,611
; FILING DATE: 28-AUG-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/576,537
; FILING DATE: 31-AUG-1990
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Hoerner Jr., Dennis R.
; REGISTRATION NUMBER: 30,914
; REFERENCE/DOCKET NUMBER: 38-21(10660)A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314)537-6099
; TELEFAX: (314)537-6047
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 428 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-306-063-42

Query Match 58.9%; Score 43; DB 1; Length 428;
Best Local Similarity 53.3%; Pred. No. 1.1e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 KIKEKLKKIGKIQ 15
Db 123 RVTEPLKKKGAKIDG 137
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; CITY: St. Louis
; STATE: Missouri
; COUNTRY: USA
; ZIP: 63198
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/306,063
; FILING DATE: 13-SEP-1994
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/749,611
; FILING DATE: 28-AUG-1991
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/576,537
; FILING DATE: 31-AUG-1990
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Hoerner Jr., Dennis R.
; REGISTRATION NUMBER: 30,914
; REFERENCE/DOCKET NUMBER: 38-21(10660)A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (314)537-6099
; TELEFAX: (314)537-6047
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 428 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-306-063-42

Query Match 58.9%; Score 43; DB 1; Length 428;
Best Local Similarity 53.3%; Pred. No. 1.1e+02;
Matches 8; Conservative 3; Mismatches 4; Indels 0; Gaps 0;

Qy 1 KIKEKLKKIGKIQ 15
Db 123 RVTEPLKKKGAKIDG 137

Search completed: September 12, 2005, 19:54:26
Job time : 15.1786 secs
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DB      212 RVKEQEKVGEIQ 225

RESULT 12
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; Sequence 8456, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; FILE REFERENCE: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; CURRENT APPLICATION NUMBER: US/09/489,039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 8456
; LENGTH: 434
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-8456

Query Match      60.3%; Score 44; DB 4; Length 434;
Best Local Similarity 53.8%; Pred. No. 79;
Matches 7; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

QY      2 IKEKLKKGIOQ 14
DB      169 LNRLLKLGKIQ 181

RESULT 13
US-08-284-465-6
; Sequence 6, Application US/08284465
; Patent No. 5830457
; GENERAL INFORMATION:
; APPLICANT: GICQUEL, BRIGITTE
; APPLICANT: TIMM, JULIANO
; APPLICANT: TRIAS, JOAQUIM
; APPLICANT: DUEZ, COLETTE
; APPLICANT: PERILLI, MARIA-GRAZIA
; APPLICANT: DUSART, JEAN
; APPLICANT: FRERE, JEAN-MARIE
; TITLE OF INVENTION: RECOMBINANT BETA-LACTAMASE, USABLE AS
; TITLE OF INVENTION: CARRIER MOLECULE FOR THE PREPARATION OF IMMUNOGENIC
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT
; STREET: 1755 S. JEFFERSON DAVIS HIGHWAY, SUITE 400
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: USA
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/284,465
; FILING DATE: 14-NOV-1994
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: FR 9201713
; FILING DATE: 14-FEB-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/FR 93/00151
; FILING DATE: 12-FEB-1993
; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (703) 413-3000
; TELEFAX: (703) 413-2220
; TELEX: 248855 OPAT UR
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 281 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; FEATURE:
; NAME/KEY: Region
; LOCATION: 27..34
; FEATURE:
; NAME/KEY: Region
; LOCATION: 37..44
; FEATURE:
; NAME/KEY: Region
; LOCATION: 48..53
; FEATURE:
; NAME/KEY: Region
; LOCATION: 64..75
; FEATURE:
; NAME/KEY: Region
; LOCATION: 98..104
; FEATURE:
; NAME/KEY: Region
; LOCATION: 111..118
; FEATURE:
; NAME/KEY: Region
; LOCATION: 123..133
; FEATURE:
; NAME/KEY: Region
; LOCATION: 136..146
; FEATURE:
; NAME/KEY: Region
; LOCATION: 157..162
; FEATURE:
; NAME/KEY: Region
; LOCATION: 174..184
; FEATURE:
; NAME/KEY: Region
; LOCATION: 192..204
; FEATURE:
; NAME/KEY: Region
; LOCATION: 209..216
; FEATURE:
; NAME/KEY: Region
; LOCATION: 221..229
; FEATURE:
; NAME/KEY: Region
; LOCATION: 233..243
; FEATURE:
; NAME/KEY: Region
; LOCATION: 249..259
; FEATURE:
; NAME/KEY: Region
; LOCATION: 269..281
US-08-284-465-6

Query Match      58.9%; Score 43; DB 2; Length 281;
Best Local Similarity 46.2%; Pred. No. 75;
Matches 6; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

QY      1 KIKEKLKKGIOQ 13
DB      138 KVKRLKELGDKV 150

RESULT 14
US-08-476-008-42
; Sequence 42, Application US/08476008
; Patent No. 5627061
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```
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
; TITLE OF INVENTION: EPIDERMIDIS FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: GTC-007
; CURRENT APPLICATION NUMBER: US/09/134,001C
; CURRENT FILING DATE: 1998-08-13
; PRIOR APPLICATION NUMBER: US 60/064,964
; PRIOR FILING DATE: 1997-11-08
; PRIOR APPLICATION NUMBER: US 60/055,779
; PRIOR FILING DATE: 1997-08-14
; NUMBER OF SEQ ID NOS: 5674
; SEQ ID NO 4678
; LENGTH: 306
; TYPE: PRT
; ORGANISM: Staphylococcus epidermidis
US-09-134-001C-4678

Query Match      64.4%; Score 47; DB 3; Length 306;
Best Local Similarity 61.5%; Pred. No. 22;
Matches 8; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KIKEKLKKGOKI 13
Db      163 KIKRLKKGDKV 175

RESULT 8
US-09-735-846-6
; Sequence 6, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 6
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Glycine max
US-09-735-846-6

Query Match      63.0%; Score 46; DB 4; Length 194;
Best Local Similarity 57.1%; Pred. No. 21;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy      1 KIKEKLKKGOKI 14
Db      133 KVKHQEKVGKIQ 146

RESULT 9
US-09-735-846-20
; Sequence 20, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
```

```
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 20
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Glycine max
US-09-735-846-20

Query Match      63.0%; Score 46; DB 4; Length 363;
Best Local Similarity 57.1%; Pred. No. 35;
Matches 8; Conservative 4; Mismatches 2; Indels 0; Gaps 0;

Qy      1 KIKEKLKKGOKI 14
Db      243 KVKHQEKVGKIQ 256

RESULT 10
US-09-735-846-24
; Sequence 24, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 24
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-735-846-24

Query Match      61.6%; Score 45; DB 4; Length 329;
Best Local Similarity 50.0%; Pred. No. 45;
Matches 7; Conservative 6; Mismatches 1; Indels 0; Gaps 0;

Qy      1 KIKEKLKKGOKI 14
Db      212 RVKEQEKVGKIQ 225

RESULT 11
US-09-735-846-23
; Sequence 23, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 23
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-735-846-23

Query Match      61.6%; Score 45; DB 4; Length 331;
Best Local Similarity 50.0%; Pred. No. 45;
Matches 7; Conservative 6; Mismatches 1; Indels 0; Gaps 0;
```

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Townsend and Townsend and Crew LLP
;; STREET: Two Embarcadero Center, 8th Floor
;; CITY: San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94111-3834
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/322,911
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/591,280
;; FILING DATE: August 1, 1996
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/916,761
;; FILING DATE: July 17, 1992
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/916,765
;; FILING DATE: July 17, 1992
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US93/06731
;; FILING DATE: July 15, 1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/313,681
;; FILING DATE: September 27, 1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Fitts, Renee A.
;; REGISTRATION NUMBER: 35,136
;; REFERENCE/DOCKET NUMBER: 15325-000920
;; TELEPHONE: 415-326-2400
;; TELEFAX: 415-326-2422
;; INFORMATION FOR SEQ ID NO: 7:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 29 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 23
;; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 26
;; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 27
;; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
US-09-322-911-7

Query Match 83.6%; Score 61; DB 3; Length 29;
Best Local Similarity 92.9%; Pred. No. 0.031;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIKEKLKKIGQKIQ 14
Db 12 KIKEKLKKIGQKIQ 25

RESULT 5
PCT-US95-12080-4
; Sequence 4, Application PC/TUS9512080
; GENERAL INFORMATION:
; APPLICANT: Children's Medical Center Corporaton

;; TITLE OF INVENTION: Synducin Mediated Modulation of Tissue Repair
;; NUMBER OF SEQUENCES: 4
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Patrea L. Pabst
;; STREET: 2800 One Atlantic Center
;; STREET: 1201 West Peachtree
;; CITY: Atlanta
;; STATE: Georgia
;; COUNTRY: USA
;; ZIP: 30309-3450
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US95/12080
;; FILING DATE:
;; CLASSIFICATION:
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (404)-873-8794
;; TELEFAX: (404)-815-8795
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 33 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
PCT-US95-12080-4

Query Match 76.7%; Score 56; DB 5; Length 33;
Best Local Similarity 85.7%; Pred. No. 0.17;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIKEKLKKIGQKIQ 14
Db 9 KIKEKLKKIGQKIK 22

RESULT 6
US-09-735-846-25
; Sequence 25, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 25
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-735-846-25

Query Match 65.8%; Score 48; DB 4; Length 326;
Best Local Similarity 57.1%; Pred. No. 17;
Matches 8; Conservative 5; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIKEKLKKIGQKIQ 14
Db 205 KVEQKEKVGKIQ 218

RESULT 7
US-09-134-001C-4678
; Sequence 4678, Application US/09134001C
; Patent No. 6380370

```

; Patent No. 5618675
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; TITLE OF INVENTION: Human Cationic Proteins Having
; CORRESPONDENCE ADDRESS:
; ADDRESS: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/322,911
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/691,280
; FILING DATE: August 1, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,761
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,765
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06731
; FILING DATE: July 15, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/313,681
; FILING DATE: September 27, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 15325-000920
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 171 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-322-911-4

Query Match 100.0%; Score 73; DB 3; Length 171;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIKEKLKKGQKIQ 15
Db 146 KIKEKLKKGQKIQ 160

RESULT 3
US-08-313-681A-7
; Sequence 7, Application US/08313681A
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; CORRESPONDENCE ADDRESS:
; ADDRESS: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/322,911
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/691,280
; FILING DATE: August 1, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,761
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,765
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06731
; FILING DATE: July 15, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/313,681
; FILING DATE: September 27, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 15325-000920
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 171 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-322-911-4

Query Match 100.0%; Score 73; DB 3; Length 171;
Best Local Similarity 100.0%; Pred. No. 0.003;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KIKEKLKKGQKIQ 15
Db 146 KIKEKLKKGQKIQ 160

RESULT 4
US-09-322-911-7
; Sequence 7, Application US/09322911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; CORRESPONDENCE ADDRESS:
; ADDRESS: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,681A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Heslin, James M.
; REGISTRATION NUMBER: 29,541
; REFERENCE/DOCKET NUMBER: 15325-9-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 23
; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 26
; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 27
; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
; US-08-313-681A-7

Query Match 83.6%; Score 61; DB 1; Length 29;
Best Local Similarity 92.9%; Pred. No. 0.031;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIKEKLKKGQKIQ 14
Db 12 KIKEKLKKGQKIQ 25

RESULT 4
US-09-322-911-7
; Sequence 7, Application US/09322911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; CORRESPONDENCE ADDRESS:
; ADDRESS: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,681A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Heslin, James M.
; REGISTRATION NUMBER: 29,541
; REFERENCE/DOCKET NUMBER: 15325-9-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 23
; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 26
; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 27
; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
; US-08-313-681A-7

Query Match 83.6%; Score 61; DB 1; Length 29;
Best Local Similarity 92.9%; Pred. No. 0.031;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KIKEKLKKGQKIQ 14
Db 12 KIKEKLKKGQKIQ 25
```


; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489.039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 8763
; LENGTH: 693
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-8763

Query Match 57.3%; Score 43; DB 4; Length 693;
Best Local Similarity 58.3%; Pred. No. 2.1e+02;
Matches 7; Conservative 4; Mismatches 1; Indels 0; Gaps 0;

Qy 4 RNKIKKELKKIG 15
|::|||::|||
Db 462 RRVKQELKLG 473

RESULT 14
US-09-248-796A-15721
; Sequence 15721, Application US/09248796A
; Patent No. 6747137
; GENERAL INFORMATION:
; APPLICANT: Keith Weinstock et al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO CANDIDA ALBICAN
; TITLE OF INVENTION: FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 107196.132
; CURRENT APPLICATION NUMBER: US/09/248.796A
; CURRENT FILING DATE: 1999-02-12
; PRIOR APPLICATION NUMBER: US 60/074,725
; PRIOR FILING DATE: 1998-02-13
; PRIOR APPLICATION NUMBER: US 60/096,409
; PRIOR FILING DATE: 1998-08-13
; NUMBER OF SEQ ID NOS: 28208
; SEQ ID NO 15721
; LENGTH: 408
; TYPE: PRT
; ORGANISM: Candida albicans
US-09-248-796A-15721

Query Match 56.0%; Score 42; DB 4; Length 408;
Best Local Similarity 75.0%; Pred. No. 1.8e+02;
Matches 9; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 2 KFRNKIKELKK 13
||| |
Db 371 KFMNIDEKLKK 382

RESULT 15
US-09-489-039A-13974
; Sequence 13974, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
; TITLE OF INVENTION: PNEUMONIAE FOR DIAGNOSTICS AND THERAPEUTICS
; FILE REFERENCE: 2709.2004001
; CURRENT APPLICATION NUMBER: US/09/489.039A
; CURRENT FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 60/117,747
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 14342
; SEQ ID NO 13974
; LENGTH: 415
; TYPE: PRT
; ORGANISM: Klebsiella pneumoniae
US-09-489-039A-13974

Query Match 56.0%; Score 42; DB 4; Length 415;
Best Local Similarity 64.3%; Pred. No. 1.8e+02;
Matches 9; Conservative 1; Mismatches 4; Indels 0; Gaps 0;
Qy 2 KFRNKIKELKKIG 15
:||||| |
Db 138 QFRNKIVEALKQYG 151
Search completed: September 12, 2005, 19:54:26
Job time : 16.1786 secs

```
;
;
; FEATURE:
; OTHER INFORMATION: derived from Yellow Fever virus and Japanese
; OTHER INFORMATION: Encephalitis virus
US-09-452-638-53

Query Match      61.3%; Score 45; DB 4; Length 3421;
Best Local Similarity 60.0%; Pred. No. 3.5e+02;
Matches 9; Conservative 2; Mismatches 4; Indels 0; Gaps 0;

Oy 1 RKFRNKIKEKLKKG 15
    | |||||:|:|
Db 21 RSLSNKIKQKTKG 35

RESULT 10
US-09-583-110-4660
; Sequence 4660, Application US/09583110
; Patent No. 6699703
; GENERAL INFORMATION:
; APPLICANT: Lynn Doucette-Stamm et al.
; TITLE OF INVENTION: Nucleic Acid and Amino Acid Sequences Relating to Streptococcus
; FILE REFERENCE: PATH00-07A
; CURRENT APPLICATION NUMBER: US/09/583,110
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/107,433
; PRIOR FILING DATE: 1998-06-30
; PRIOR APPLICATION NUMBER: US 60/085,131
; PRIOR FILING DATE: 1998-05-12
; PRIOR APPLICATION NUMBER: US 60/051,553
; PRIOR FILING DATE: 1997-07-02
; NUMBER OF SEQ ID NOS: 5322
; SEQ ID NO 4660
; LENGTH: 429
; TYPE: PRT
; ORGANISM: Streptococcus pneumoniae
US-09-583-110-4660

Query Match      60.0%; Score 45; DB 4; Length 429;
Best Local Similarity 57.1%; Pred. No. 71;
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Oy 2 KFRNKIKEKLKKG 15
    |:|:|:|:|
Db 42 KYINNVKEIKKSG 55

RESULT 11
US-09-107-433-5016
; Sequence 5016, Application US/09107433
; Patent No. 6800744
; GENERAL INFORMATION:
; APPLICANT: Lynn A Doucette-Stamm and David Bush
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID
; SEQUENCES RELATING TO STREPTOCOCCUS PNEUMONIAE FOR DIAGNO
; THERAPEUTICS
; NUMBER OF SEQUENCES: 5206
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: GENOME THERAPEUTICS CORPORATION
; STREET: 100 Beaver Street
; CITY: Waltham
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02354
; COMPUTER READABLE FORM:
; MEDIUM TYPE: CD-ROM ISO9660
; COMPUTER: <Unknown>
; OPERATING SYSTEM: <Unknown>
; SOFTWARE: <Unknown>
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/107,433
; FILING DATE: 30-Jun-1998
; PRIOR APPLICATION DATA:
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
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; APPLICATION NUMBER: 60/ 085131
; FILING DATE: May 12, 1998
; APPLICATION NUMBER: 60/051553
; FILING DATE: July 2, 1997
; ATTORNEY/AGENT INFORMATION:
; NAME: Ariniello, Pamela Deneke
; REGISTRATION NUMBER: 40,489
; REFERENCE/DOCKET NUMBER: GTC-011
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (781)893-5007
; TELEFAX: (781)893-8277
; INFORMATION FOR SEQ ID NO: 5016:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 531 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; HYPOTHETICAL: YES
; ORIGINAL SOURCE:
; ORGANISM: Streptococcus pneumoniae
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (B) LOCATION 1...531
; SEQUENCE DESCRIPTION: SEQ ID NO: 5016:
US-09-107-433-5016

Query Match      60.0%; Score 45; DB 4; Length 531;
Best Local Similarity 57.1%; Pred. No. 87;
Matches 8; Conservative 3; Mismatches 3; Indels 0; Gaps 0;

Oy 2 KFRNKIKEKLKKG 15
    |:|:|:|:|
Db 141 KYINNVKEIKKSG 154

RESULT 12
US-09-252-991A-26767
; Sequence 26767, Application US/09252991A
; Patent No. 6551795
; GENERAL INFORMATION:
; APPLICANT: Marc J. Rubenfield et al.
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO PSEUDOMONAS
; FILE REFERENCE: 107196.136
; CURRENT APPLICATION NUMBER: US/09/252,991A
; CURRENT FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: US 60/074,788
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 60/094,190
; PRIOR FILING DATE: 1998-07-27
; NUMBER OF SEQ ID NOS: 33142
; SEQ ID NO 26767
; LENGTH: 726
; TYPE: PRT
; ORGANISM: Pseudomonas aeruginosa
US-09-252-991A-26767

Query Match      60.0%; Score 45; DB 4; Length 726;
Best Local Similarity 66.7%; Pred. No. 1.2e+02;
Matches 8; Conservative 3; Mismatches 1; Indels 0; Gaps 0;

Oy 4 RNKIKEKLKKG 15
    |:|:|:|:|
Db 452 RRRVKEQLKKG 463

RESULT 13
US-09-489-039A-8763
; Sequence 8763, Application US/09489039A
; Patent No. 6610836
; GENERAL INFORMATION:
; APPLICANT: Gary Breton et. al
; TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO KLEBSIELLA
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; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/691,280
; FILING DATE: August 1, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,761
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,765
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06731
; FILING DATE: July 15, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/313,681
; FILING DATE: September 27, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 15325-000920
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-322-911-11

Query Match 68.0%; Score 51; DB 3; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.5;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RKFRNKIKKK 10
Db 7 RKFRNKIKKK 16

RESULT 7
US-09-525-269A-10
; Sequence 10, Application US/09525269A
; Patent No. 6743769
; GENERAL INFORMATION:
; APPLICANT: Yeaman, Michael R.
; APPLICANT: Shen, Alexander J.
; TITLE OF INVENTION: Antimicrobial Peptides and Derived
; TITLE OF INVENTION: Metapeptides
; FILE REFERENCE: 66742-025(HRS614)
; CURRENT APPLICATION NUMBER: US/09/525,269A
; CURRENT FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: US 09/025,319
; PRIOR FILING DATE: 1998-02-18
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 18
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antimicrobial peptide designed in part upon
; OTHER INFORMATION: microbicidal domains from platelet microbial
; OTHER INFORMATION: proteins 1 and 2 (PMP-1 and PMP-2) from rabbits
; US-09-525-269A-10

Query Match 62.7%; Score 47; DB 4; Length 18;
Best Local Similarity 46.7%; Pred. No. 2;
Matches 7; Conservative 6; Mismatches 2; Indels 0; Gaps 0;

Qy 1 RKFRNKIKKK 15
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Db 4 KKWKNKLRSLKRLG 18

RESULT 8
PCT-US95-12080-4
; Sequence 4, Application PC/TUS9512080
; GENERAL INFORMATION:
; APPLICANT: Children's Medical Center Corporation
; TITLE OF INVENTION: Synducin Mediated Modulation of Tissue Repair
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Patrea L. Pabst
; STREET: 2800 One Atlantic Center
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30309-3450
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patencin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/12080
; FILING DATE:
; CLASSIFICATION:
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (404)-873-8794
; TELEFAX: (404)-815-8795
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 33 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; PCT-US95-12080-4

Query Match 61.3%; Score 46; DB 5; Length 33;
Best Local Similarity 73.3%; Pred. No. 4.8;
Matches 11; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 RKFRNKIKKK 15
Db 4 RKGGEKIGKK 18

RESULT 9
US-09-452-638-53
; Sequence 53, Application US/09452638
; Patent No. 6696281
; GENERAL INFORMATION:
; APPLICANT: Chambers, Thomas J.
; APPLICANT: Monath, Thomas P.
; APPLICANT: Guirakhoo, Farshad
; TITLE OF INVENTION: Chimeric Flavivirus Vaccines
; FILE REFERENCE: 06132/033004
; CURRENT APPLICATION NUMBER: US/09/452,638
; CURRENT FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: US 09/121,587
; PRIOR FILING DATE: 1998-07-23
; PRIOR APPLICATION NUMBER: PCT/US98/03894
; PRIOR FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: US 09/007,664
; PRIOR FILING DATE: 1998-01-15
; PRIOR APPLICATION NUMBER: US 08/807,445
; PRIOR FILING DATE: 1997-02-28
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53
; LENGTH: 3421
; TYPE: PPT
; ORGANISM: Artificial Sequence
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RESULT 4
US-09-322-911-4
; Sequence 4, Application US/09322911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/322,911
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/691,280
; FILING DATE: August 1, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,761
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,765
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06731
; FILING DATE: July 15, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/313,681
; FILING DATE: September 27, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 15325-000920
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 171 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-322-911-4
Query Match 100.0%; Score 75; DB 3; Length 171;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RKFRNKIKLKIG 15
Db 141 RKFRNKIKLKIG 155

RESULT 5
US-08-313-681A-11
; Sequence 11, Application US/08313681A
; Patent No. 5618675
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,681A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Heslin, James M.
; REGISTRATION NUMBER: 29,541
; REFERENCE/DOCKET NUMBER: 15325-9-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-313-681A-11
Query Match 68.0%; Score 51; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.5;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RKFRNKIKK 10
Db 7 RKFRNKIKK 16

RESULT 6
US-09-322-911-11
; Sequence 11, Application US/09322911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/322,911
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; NAME/KEY: Region
; LOCATION: 27
; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
US-08-313-681A-7

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Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RKFRNKIKELKKIG 15
Db 7 RKFRNKIKELKKIG 21

RESULT 2
US-09-322-911-7
; Sequence 7, Application US/093222911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/322,911
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/691,280
; FILING DATE: August 1, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,761
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,765
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06731
; FILING DATE: July 15, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/313,681
; FILING DATE: September 27, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 15325-000920
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region

; LOCATION: 23
; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 26
; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 27
; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
US-09-322-911-7

Query Match 100.0%; Score 75; DB 3; Length 29;
Best Local Similarity 100.0%; Pred. No. 0.00039;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RKFRNKIKELKKIG 15
Db 7 RKFRNKIKELKKIG 21

RESULT 3
US-08-313-681A-4
; Sequence 4, Application US/08313681A
; Patent No. 5618675
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: Townsend and Townsend Khourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,681A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Heslin, James M.
; REGISTRATION NUMBER: 29,541
; REFERENCE/DOCKET NUMBER: 15325-9-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 171 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-313-681A-4

Query Match 100.0%; Score 75; DB 1; Length 171;
Best Local Similarity 100.0%; Pred. No. 0.002;
Matches 15; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RKFRNKIKELKKIG 15
Db 141 RKFRNKIKELKKIG 155
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OM protein - protein search, using sw model

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(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-24
Perfect score: 75
Sequence: 1 RKPRNKIKELKKIG 15

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Searched: 513545 seqs, 74649064 residues

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Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

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5: /cgn2_6/ptodata/1/iaa/PCTUS_COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	75	100.0	171	1 US-08-313-681A-4	Sequence 4, Appli
4	75	100.0	171	3 US-09-322-911-4	Sequence 4, Appli
5	51	68.0	16	1 US-08-313-681A-11	Sequence 11, Appli
6	51	68.0	16	3 US-09-322-911-11	Sequence 11, Appli
7	47	62.7	18	4 US-09-525-269A-10	Sequence 10, Appli
8	46	61.3	33	5 PCT-US95-12080-4	Sequence 4, Appli
9	46	61.3	3421	4 US-09-452-638-53	Sequence 53, Appli
10	45	60.0	429	4 US-09-583-110-4660	Sequence 4660, Ap
11	45	60.0	521	4 US-09-107-433-5016	Sequence 5016, Ap
12	45	60.0	726	4 US-09-252-991A-26767	Sequence 26767, A
13	43	57.3	693	4 US-09-488-039A-8763	Sequence 8763, Ap
14	42	56.0	408	4 US-09-248-796A-15721	Sequence 15721, A
15	42	56.0	415	4 US-09-489-039A-13974	Sequence 13974, A
16	41	54.7	452	4 US-09-889-738-21	Sequence 21, Appli
17	41	54.7	476	4 US-09-543-681A-7117	Sequence 7117, Ap
18	40	53.3	18	4 US-09-525-269A-3	Sequence 3, Appli
19	40	53.3	319	4 US-09-252-991A-30168	Sequence 30168, A
20	40	53.3	326	4 US-09-735-846-25	Sequence 25, Appli
21	40	53.3	343	2 US-08-599-171A-28	Sequence 28, Appli
22	40	53.3	343	2 US-08-646-590B-28	Sequence 28, Appli
23	40	53.3	343	3 US-09-069-226-28	Sequence 28, Appli
24	40	53.3	343	3 US-09-412-184-28	Sequence 28, Appli
25	40	53.3	524	4 US-09-248-796A-18625	Sequence 18625, A
26	40	53.3	898	4 US-09-585-858-37	Sequence 37, Appli
27	40	53.3	898	4 US-10-270-878-37	Sequence 37, Appli

28	40	53.3	956	4	US-09-107-532A-5007	Sequence 5007, Ap
29	39	52.0	18	1	US-07-725-331-29	Sequence 29, Appl
30	39	52.0	18	5	PCT-US91-05047-29	Sequence 29, Appl
31	39	52.0	74	4	US-09-248-796A-25957	Sequence 25957, A
32	39	52.0	87	4	US-09-248-796A-24551	Sequence 24551, A
33	39	52.0	96	4	US-09-732-210-707	Sequence 707, App
34	39	52.0	154	4	US-09-248-796A-27970	Sequence 27970, A
35	39	52.0	166	4	US-09-270-767-36279	Sequence 36279, A
36	39	52.0	166	4	US-09-270-767-51496	Sequence 51496, A
37	39	52.0	231	4	US-09-248-796A-14758	Sequence 14758, A
38	39	52.0	306	3	US-09-134-001C-4678	Sequence 4678, Ap
39	39	52.0	378	4	US-09-498-520A-44	Sequence 44, Appl
40	39	52.0	395	3	US-09-134-001C-3723	Sequence 3723, Ap
41	39	52.0	396	4	US-09-902-540-15124	Sequence 15124, A
42	39	52.0	672	3	US-09-040-843-4	Sequence 4, Appli
43	39	52.0	672	3	US-09-621-855-4	Sequence 4, Appli
44	39	52.0	817	4	US-09-710-279-50	Sequence 50, Appl
45	39	52.0	817	4	US-09-710-279-1528	Sequence 1528, Ap

ALIGNMENTS

RESULT 1
US-08-313-681A-7
; Sequence 7, Application US/08313681A
; Patent No. 5618675
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mshimasa
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA: US/08/313.681A
; APPLICATION NUMBER: 08/313,681A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Heelin, James M.
; REGISTRATION NUMBER: 29,541
; REFERENCE/DOCKET NUMBER: 15325-9-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 23
; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 26
; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
; FEATURE:

; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/393,985
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sholtz, Charles K.
; REGISTRATION NUMBER: 38,615
; REFERENCE/DOCKET NUMBER: 8600-0152
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-0880
; TELEFAX: (415) 324-0960
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 190 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: amino acids 4-193 of Syn1A
US-08-393-985-25

Query Match 47.1%; Score 49; DB 1; Length 190;
Best Local Similarity 45.0%; Pred. No. 29;
Matches 9; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

QY 1 LRKFRNKIKKIKGQKIQ 20
DB 79 IKKTANKVRSKLKSIEQSIE 98

RESULT 15
US-09-509-738C-25
; Sequence 25, Application US/09509738C
; Patent No. 6821735
; GENERAL INFORMATION:
; APPLICANT: Blatt, Michael
; APPLICANT: Leyman, Barbara
; TITLE OF INVENTION: Protein Involved in Absciscic Acid Signalling
; FILE REFERENCE: 2186PB-1
; CURRENT APPLICATION NUMBER: US/09/509,738C
; CURRENT FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 25
; LENGTH: 259
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-509-738C-25

Query Match 47.1%; Score 49; DB 4; Length 259;
Best Local Similarity 45.0%; Pred. No. 39;
Matches 9; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

QY 1 LRKFRNKIKKIKGQKIQ 20
DB 53 IKKTANKVRSKLKSIEQSIE 72

Search completed: September 12, 2005, 19:54:25
Job time : 21.25 secs

; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06731
; FILING DATE: July 15, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/313,681
; FILING DATE: September 27, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 15325-000920
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-09-322-911-11

Query Match 52.9%; Score 55; DB 3; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.48;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LKFRNKIKK 11
Db 6 LKFRNKIKK 16

RESULT 11
US-09-735-846-6
; Sequence 6, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 6
; TYPE: PRT
; ORGANISM: Glycine max
US-09-735-846-6

Query Match 50.0%; Score 52; DB 4; Length 194;
Best Local Similarity 45.0%; Pred. No. 12;
Matches 9; Conservative 6; Mismatches 5; Indels 5; Gaps 0;

Qy 1 LKFRNKIKKIKKIKQ 20
Db 127 LKLOEKVKHQKVGKIQ 146

RESULT 12
US-09-735-846-20
; Sequence 20, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA

; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 20
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Glycine max
US-09-735-846-20

Query Match 50.0%; Score 52; DB 4; Length 363;
Best Local Similarity 45.0%; Pred. No. 21;
Matches 9; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

Qy 1 LKFRNKIKKIKKIKQ 20
Db 237 LKLOEKVKHQKVGKIQ 256

RESULT 13
US-09-452-638-53
; Sequence 53, Application US/09452638
; Patent No. 6696281
; GENERAL INFORMATION:
; APPLICANT: Chambers, Thomas J.
; APPLICANT: Monath, Thomas P.
; APPLICANT: Guirakhoo, Farshad
; TITLE OF INVENTION: Chimeric Flavivirus Vaccines
; FILE REFERENCE: 06132/033004
; CURRENT APPLICATION NUMBER: US/09/452,638
; CURRENT FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: US 09/121,587
; PRIOR FILING DATE: 1998-07-23
; PRIOR APPLICATION NUMBER: PCT/US98/03894
; PRIOR FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: US 09/007,664
; PRIOR FILING DATE: 1998-01-15
; PRIOR APPLICATION NUMBER: US 08/807,445
; PRIOR FILING DATE: 1997-02-28
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53
; LENGTH: 3421
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: derived from Yellow Fever virus and Japanese
; OTHER INFORMATION: Encephalitis virus
US-09-452-638-53

Query Match 48.1%; Score 50; DB 4; Length 3421;
Best Local Similarity 40.7%; Pred. No. 3.2e+02;
Matches 11; Conservative 5; Mismatches 5; Indels 6; Gaps 1;

Qy 1 LKFRNKIKKIKKIKGK- - - - -IQG 21
Db 20 VRSLNKKIKQTKQIGNRPGPSRGVQG 46

RESULT 14
US-08-393-985-25
; Sequence 25, Application US/08393985
; Patent No. 5693476
; GENERAL INFORMATION:
; APPLICANT: Scheller, Richard H.
; TITLE OF INVENTION: Methods and Compositions for Modulation
; TITLE OF INVENTION: of Vesicular Release
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Townsend and Townsend and Crew LLP
;; STREET: Two Embarcadero Center, 8th Floor
;; CITY: San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94111-3834
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/322,911
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/691,280
;; FILING DATE: August 1, 1996
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/916,761
;; FILING DATE: July 17, 1992
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/916,765
;; FILING DATE: July 17, 1992
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US93/06731
;; FILING DATE: July 15, 1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/313,681
;; FILING DATE: September 27, 1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Fitts, Renee A.
;; REGISTRATION NUMBER: 35,136
;; REFERENCE/DOCKET NUMBER: 15325-000920
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-326-2400
;; TELEFAX: 415-326-2422
;; INFORMATION FOR SEQ ID NO: 7:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 29 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 23
;; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 26
;; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 27
;; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
;;
US-09-322-911-7

Query Match 88.5%; Score 92; DB 3; Length 29;
Best Local Similarity 95.0%; Pred. No. 1.2e-05;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LRKFRNKIKKKIGQKIQ 20
Db 6 LRKFRNKIKKKIGQKIQ 25

RESULT 5

PCT-US95-12080-4
; Sequence 4, Application PC/TUS9512080
; GENERAL INFORMATION:
; APPLICANT: Children's Medical Center Corporaton

;; TITLE OF INVENTION: Synducin Mediated Modulation of Tissue Repair
;; NUMBER OF SEQUENCES: 4
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Patrea L. Pabst
;; STREET: 2800 One Atlantic Center
;; STREET: 1201 West Peachtree
;; CITY: Atlanta
;; STATE: Georgia
;; COUNTRY: USA
;; ZIP: 30309-3450
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US95/12080
;; FILING DATE:
;; CLASSIFICATION:
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (404)-873-8794
;; TELEFAX: (404)-815-8795
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 33 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;;
PCT-US95-12080-4

Query Match 62.5%; Score 65; DB 5; Length 33;
Best Local Similarity 75.0%; Pred. No. 0.046;
Matches 15; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

QY 1 LRKFRNKIKKKIGQKIQ 20
Db 3 LRGGEKIGKKIGQKIK 22

RESULT 6

US-09-735-846-25
; Sequence 25, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BE1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 25
; LENGTH: 326
; TYPE: PPT
; ORGANISM: Brassica napus
US-09-735-846-25

Query Match 57.7%; Score 60; DB 4; Length 326;
Best Local Similarity 50.0%; Pred. No. 1.7;
Matches 10; Conservative 7; Mismatches 3; Indels 0; Gaps 0;

QY 1 LRKFRNKIKKKIGQKIQ 20
Db 199 LKQLQEKVKEQKIGQKIQ 218

RESULT 7

US-09-735-846-24
; Sequence 24, Application US/09735846
; Patent No. 6730823

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RESULT 2
US-09-322-911-4
; Sequence 4, Application US/09322911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09322,911
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/691,280
; FILING DATE: August 1, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,761
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,765
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06731
; FILING DATE: July 15, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/313,681
; FILING DATE: September 27, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Rense A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 15325-000920
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 171 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-322-911-4

Query Match 100.0%; Score 104; DB 3; Length 171;
Best Local Similarity 100.0%; Pred. No. 1.7e-06;
Matches 21; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LRKFRNKIKEKLLKKGQKIQ 21
DB 140 LRKFRNKIKEKLLKKGQKIQ 160

RESULT 3
US-08-313-681A-7
; Sequence 7, Application US/08313681A
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; Patent No. 5618675
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Khourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,681A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Heeslin, James M.
; REGISTRATION NUMBER: 29,541
; REFERENCE/DOCKET NUMBER: 15325-9-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 23
; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 26
; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 27
; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
; US-08-313-681A-7

Query Match 88.5%; Score 92; DB 1; Length 29;
Best Local Similarity 95.0%; Pred. No. 1.2e-05;
Matches 19; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LRKFRNKIKEKLLKKGQKIQ 20
DB 6 LRKFRNKIKEKLLKKGQKIQ 25

RESULT 4
US-09-322-911-7
; Sequence 7, Application US/09322911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
```


; INDIVIDUAL ISOLATE: amino acids 4-193 of Syn1A
US-08-393-985-25

Query Match 50.5%; Score 47; DB 1; Length 190;
Best Local Similarity 47.4%; Pred. No. 37;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKEKLLKIGQKI 19
:|:|:|:|:|:|:|:|:|
Db 79 IKKTANKVRSKLKSIEQSI 97

RESULT 14

US-09-735-846-6
; Sequence 6, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: B01419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 6
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Glycine max
US-09-735-846-6

Query Match 50.5%; Score 47; DB 4; Length 194;
Best Local Similarity 42.1%; Pred. No. 38;
Matches 8; Conservative 6; Mismatches 5; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKEKLLKIGQKI 19
:|:|:|:|:|:|:|:|:|
Db 127 LKTLQEKVKEHQEKVGEKI 145

RESULT 15

US-09-509-738C-25
; Sequence 25, Application US/09509738C
; Patent No. 6821735
; GENERAL INFORMATION:
; APPLICANT: Blatt, Michael
; APPLICANT: Leyman, Barbara
; TITLE OF INVENTION: Protein Involved in Abscisic Acid Signalling
; FILE REFERENCE: 2186PB-1
; CURRENT APPLICATION NUMBER: US/09/509,738C
; CURRENT FILING DATE: 2000-05-24
; NUMBER OF SEQ ID NOS: 44
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 25
; LENGTH: 259
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-509-738C-25

Query Match 50.5%; Score 47; DB 4; Length 259;
Best Local Similarity 47.4%; Pred. No. 49;
Matches 9; Conservative 4; Mismatches 6; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKEKLLKIGQKI 19
:|:|:|:|:|:|:|:|:|
Db 53 IKKTANKVRSKLKSIEQSI 71

Search completed: September 12, 2005, 19:54:25
Job time : 20.2262 secs

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RESULT 10
US-09-735-846-23
; Sequence 23, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: B81419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; PRIOR FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 23
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-735-846-23

Query Match      55.9%; Score 52; DB 4; Length 331;
Best Local Similarity 42.1%; Pred. No. 13;
Matches      8; Conservative      8; Mismatches      3; Indels      0; Gaps      0;

Qy      1 LRKFRNKIKKIKGQKI 19
      |::|::|::|::|::|::|
Db      206 LKKQERVKQKQKGEKI 224

RESULT 11
US-09-452-638-53
; Sequence 53, Application US/09452638
; Patent No. 6696281
; GENERAL INFORMATION:
; APPLICANT: Chambers, Thomas J.
; APPLICANT: Monath, Thomas P.
; APPLICANT: Guirakho, Farshad
; TITLE OF INVENTION: Chimeric Flavivirus Vaccines
; FILE REFERENCE: 06132/033004
; CURRENT APPLICATION NUMBER: US/09/452,638
; PRIOR FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: US 09/121,587
; PRIOR FILING DATE: 1998-07-23
; PRIOR APPLICATION NUMBER: PCT/US98/03894
; PRIOR FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: US 09/007,664
; PRIOR FILING DATE: 1998-01-15
; PRIOR APPLICATION NUMBER: US 08/807,445
; PRIOR FILING DATE: 1997-02-28
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53
; LENGTH: 3421
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: derived from Yellow Fever virus and Japanese
; OTHER INFORMATION: Encephalitis virus
US-09-452-638-53

Query Match      52.7%; Score 49; DB 4; Length 3421;
Best Local Similarity 50.0%; Pred. No. 3e+02;
Matches      9; Conservative      4; Mismatches      5; Indels      0; Gaps      0;

Qy      1 LRKFRNKIKKIKGQK 18
      :|::|::|::|::|::|
Db      20 VRSLNKKIKQTKQGNR 37

RESULT 12
US-09-525-269A-10
; Sequence 10, Application US/09525269A
; Patent No. 6743769
; GENERAL INFORMATION:
; APPLICANT: Yeaman, Michael R.
; APPLICANT: Shen, Alexander J.
; TITLE OF INVENTION: Antimicrobial Peptides and Derived
; TITLE OF INVENTION: Metapeptides
; FILE REFERENCE: 66742-025 (HR5614)
; CURRENT APPLICATION NUMBER: US/09/525,269A
; CURRENT FILING DATE: 2000-03-13
; PRIOR APPLICATION NUMBER: US 09/025,319
; PRIOR FILING DATE: 1998-02-18
; NUMBER OF SEQ ID NOS: 39
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Antimicrobial peptide designed in part upon
; OTHER INFORMATION: microbiocidal domains from platelet microbial
; OTHER INFORMATION: proteins 1 and 2 (PMP-1 and PMP-2) from rabbits
US-09-525-269A-10

Query Match      50.5%; Score 47; DB 4; Length 18;
Best Local Similarity 46.7%; Pred. No. 4;
Matches      7; Conservative      6; Mismatches      2; Indels      0; Gaps      0;

Qy      2 RKFRNKIKKIKG 16
      :|::|::|::|::|
Db      4 KKWKNKLRSLKRLG 18

RESULT 13
US-08-393-985-25
; Sequence 25, Application US/08393985
; Patent No. 5693476
; GENERAL INFORMATION:
; APPLICANT: Scheller, Richard H.
; TITLE OF INVENTION: Methods and Compositions for Modulation
; TITLE OF INVENTION: of Vesicular Release
; NUMBER OF SEQUENCES: 35
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Dehlinger & Associates
; STREET: 350 Cambridge Avenue, Suite 250
; CITY: Palo Alto
; STATE: CA
; COUNTRY: USA
; ZIP: 94306
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/393,985
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Sholtz, Charles K.
; REGISTRATION NUMBER: 38,615
; REFERENCE/DOCKET NUMBER: 8600-0152
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 324-0880
; TELEFAX: (415) 324-0960
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 190 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; ORIGINAL SOURCE:
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; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-313-681A-11

Query Match          59.1%; Score 55; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.31;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKK 11
Db 6 LRKFRNKIKK 16

RESULT 7
US-09-322-911-11
; Sequence 11, Application US/09322911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESS: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/322,911
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/691,280
; FILING DATE: August 1, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,761
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,765
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06731
; FILING DATE: July 15, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/313,681
; FILING DATE: September 27, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 15325-000920
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 16 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
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; MOLECULE TYPE: peptide
US-09-322-911-11

Query Match          59.1%; Score 55; DB 3; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.31;
Matches 11; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKK 11
Db 6 LRKFRNKIKK 16

RESULT 8
US-09-735-846-25
; Sequence 25, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 25
; LENGTH: 326
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-735-846-25

Query Match          59.1%; Score 55; DB 4; Length 326;
Best Local Similarity 47.4%; Pred. No. 5.2;
Matches 9; Conservative 7; Mismatches 3; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKK LKKGKGI 19
Db 199 LKQLEKVKQEKVGEKI 217

RESULT 9
US-09-735-846-24
; Sequence 24, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 24
; LENGTH: 329
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-735-846-24

Query Match          55.9%; Score 52; DB 4; Length 329;
Best Local Similarity 42.1%; Pred. No. 13;
Matches 8; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKK LKKGKGI 19
Db 206 LKQLEKVKQEKVGEKI 224
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;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Townsend and Townsend and Crew LLP
;; STREET: Two Embarcadero Center, 8th Floor
;; CITY: San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94111-3834
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/322,911
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/691,280
;; FILING DATE: August 1, 1996
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/916,761
;; FILING DATE: July 17, 1992
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/916,765
;; FILING DATE: July 17, 1992
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US93/06731
;; FILING DATE: July 15, 1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/313,681
;; FILING DATE: September 27, 1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Fitts, Renee A.
;; REGISTRATION NUMBER: 35,136
;; REFERENCE/DOCKET NUMBER: 15325-000920
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-326-2400
;; TELEFAX: 415-326-2422
;; INFORMATION FOR SEQ ID NO: 7:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 29 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 23
;; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 26
;; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 27
;; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
;;
US-09-322-911-7

Query Match 93.5%; Score 87; DB 3; Length 29;
Best Local Similarity 94.7%; Pred. No. 2.8e-05;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKKKLKGQKI 19
Db 6 LRKFRNKIKKKLKGQXI 24

RESULT 5
PCT-US95-12080-4
; Sequence 4, Application PC/TUS9512080
; GENERAL INFORMATION:
; APPLICANT: Children's Medical Center Corporaton

;; TITLE OF INVENTION: Synducin Mediated Modulation of Tissue Repair
;; NUMBER OF SEQUENCES: 4
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Patrea L. Pabst
;; STREET: 2800 One Atlantic Center
;; CITY: Atlanta
;; STATE: Georgia
;; COUNTRY: USA
;; ZIP: 30309-3450
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US95/12080
;; FILING DATE:
;; CLASSIFICATION:
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (404)-873-8794
;; TELEFAX: (404)-815-8795
;; INFORMATION FOR SEQ ID NO: 4:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 33 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;;
PCT-US95-12080-4

Query Match 68.8%; Score 64; DB 5; Length 33;
Best Local Similarity 78.9%; Pred. No. 0.038;
Matches 15; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKKKLKGQKI 19
Db 3 LRKGEKIGKKLKGQKI 21

RESULT 6
US-08-313-681A-11
; Sequence 11, Application US/08313681A
; Patent No. 5618675
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Kourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
;
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,681A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Heslin, James M.
; REGISTRATION NUMBER: 29,541
; REFERENCE/DOCKET NUMBER: 15325-9-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 11:


```

; Patent No. 5618675
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/322,911
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/691,280
; FILING DATE: August 1, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,761
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,765
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06731
; FILING DATE: July 15, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/313,681
; FILING DATE: September 27, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 15325-000920
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 171 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-09-322-911-4

Query Match 100.0%; Score 93; DB 3; Length 171;
Best Local Similarity 100.0%; Pred. No. 2.4e-05;
Matches 19; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKKELKKIGQKI 19
Db 140 LRKFRNKIKKELKKIGQKI 158

; Patent No. 5618675
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,681A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Heslin, James M.
; REGISTRATION NUMBER: 29,541
; REFERENCE/DOCKET NUMBER: 15325-9-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 23
; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 26
; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 27
; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
; US-08-313-681A-7

Query Match 93.5%; Score 87; DB 1; Length 29;
Best Local Similarity 94.7%; Pred. No. 2.8e-05;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKKELKKIGQKI 19
Db 6 LRKFRNKIKKELKKIGQXI 24

RESULT 4
US-09-322-911-7
; Sequence 7, Application US/09322911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; US-08-313-681A-7
; Sequence 7, Application US/08313681A
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; Patent No. 5618675
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,681A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Heslin, James M.
; REGISTRATION NUMBER: 29,541
; REFERENCE/DOCKET NUMBER: 15325-9-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 23
; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 26
; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 27
; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
; US-08-313-681A-7

Query Match 93.5%; Score 87; DB 1; Length 29;
Best Local Similarity 94.7%; Pred. No. 2.8e-05;
Matches 18; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LRKFRNKIKKELKKIGQKI 19
Db 6 LRKFRNKIKKELKKIGQXI 24

RESULT 4
US-09-322-911-7
; Sequence 7, Application US/09322911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
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Result No.	Score	Query		DB	ID	Description
		Match	Length			
1	93	100.0	171	1	US-08-313-681A-4	Sequence 4, Appli
2	93	100.0	171	3	US-09-322-911-4	Sequence 4, Appli
3	87	93.5	29	1	US-08-313-681A-7	Sequence 7, Appli
4	87	93.5	29	3	US-09-322-911-7	Sequence 7, Appli
5	64	68.8	33	5	PCT-US95-12080-4	Sequence 4, Appli
6	55	59.1	16	1	US-08-313-681A-11	Sequence 11, Appl
7	55	59.1	16	3	US-09-322-911-11	Sequence 11, Appl
8	55	59.1	326	4	US-09-735-846-25	Sequence 25, Appl
9	52	55.9	329	4	US-09-735-846-24	Sequence 24, Appl
10	52	55.9	331	4	US-09-735-846-23	Sequence 23, Appl
11	49	52.7	3421	4	US-09-452-638-53	Sequence 53, Appl
12	47	50.5	18	4	US-09-525-269A-10	Sequence 10, Appl
13	47	50.5	190	1	US-08-393-985-25	Sequence 25, Appl
14	47	50.5	194	4	US-09-735-846-6	Sequence 6, Appli
15	47	50.5	259	4	US-09-509-738C-25	Sequence 25, Appl
16	47	50.5	263	1	US-08-393-985-23	Sequence 23, Appl
17	47	50.5	285	1	US-08-393-985-2	Sequence 2, Appli
18	47	50.5	288	1	US-08-337-602-4	Sequence 4, Appli
19	47	50.5	288	3	US-08-558-135-4	Sequence 4, Appli
20	47	50.5	288	3	US-08-619-286-3	Sequence 3, Appli
21	47	50.5	306	3	US-09-134-001C-4678	Sequence 4678, Ap
22	47	50.5	363	4	US-09-735-846-20	Sequence 20, Appl
23	46	49.5	27	1	US-08-231-730A-15	Sequence 15, Appl
24	46	49.5	27	1	US-08-427-001C-15	Sequence 15, Appl
25	46	49.5	27	1	US-08-457-798-15	Sequence 15, Appl
26	46	49.5	27	1	US-08-457-171-15	Sequence 15, Appl
27	46	49.5	27	2	US-08-505-486-15	Sequence 15, Appl

ADDRESSEE: Townsend and Townsend Khourie and Crew
STREET: One Market Plaza, Steuart Tower, Suite 2000
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94105
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/313,681A
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Heslin, James M.
REGISTRATION NUMBER: 29,541
REFERENCE/DOCKET NUMBER: 15325-9-1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-313-681A-6

Query Match 49.1%; Score 53; DB 1; Length 37;
Best Local Similarity 50.0%; Pred. No. 2.8;
Matches 11; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

Qy 1 RKRLKPRNKIKKELKKIGQKI 22
||| || : || : || : || : ||
Db 3 RKRFRKSKKIGKFKRIVQRI 24

RESULT 15

US-09-322-911-6
Sequence 6, Application US/09322911
Patent No. 6103888
GENERAL INFORMATION:
APPLICANT: Larrick, James W.
APPLICANT: Wright, Susan C.
APPLICANT: Hirata, Miehmasa
APPLICANT: Balint, Robert F.
TITLE OF INVENTION: Human Cationic Proteins Having
Lipopolyaccharide Binding and Anti-Coagulant Activity
NUMBER OF SEQUENCES: 30
CORRESPONDENCE ADDRESS:
ADDRESSEE: Townsend and Townsend and Crew LLP
STREET: Two Embarcadero Center, 8th Floor
CITY: San Francisco
STATE: California
COUNTRY: USA
ZIP: 94111-3834
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/322,911
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/691,280
FILING DATE: August 1, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/916,761

FILING DATE: July 17, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/916,765
FILING DATE: July 17, 1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/06731
FILING DATE: July 15, 1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/313,681
FILING DATE: September 27, 1994
ATTORNEY/AGENT INFORMATION:
NAME: Pitts, Rence A.
REGISTRATION NUMBER: 35,136
REFERENCE/DOCKET NUMBER: 15325-000920
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-326-2400
TELEFAX: 415-326-2422
INFORMATION FOR SEQ ID NO: 6:
SEQUENCE CHARACTERISTICS:
LENGTH: 37 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-322-911-6

Query Match 49.1%; Score 53; DB 3; Length 37;
Best Local Similarity 50.0%; Pred. No. 2.8;
Matches 11; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

Qy 1 RKRLKPRNKIKKELKKIGQKI 22
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Db 3 RKRFRKSKKIGKFKRIVQRI 24

Search completed: September 12, 2005, 19:54:24
Job time : 23.2619 secs

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RESULT 10
US-09-735-846-23
; Sequence 23, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 23
; LENGTH: 331
; TYPE: PRT
; ORGANISM: Brassica napus
US-09-735-846-23

Query Match 52.8%; Score 57; DB 4; Length 331;
Best Local Similarity 45.0%; Pred. No. 6.7;
Matches 9; Conservative 8; Mismatches 3; Indels 0; Gaps 0;

Qy 3 RLKRFNKKIKELKKIGOKI 22
Db 205 RLKQSERVKEQKVGKEKI 224
|||: : :|||: :|||:

RESULT 11
US-09-735-846-6
; Sequence 6, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA
; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 6
; LENGTH: 194
; TYPE: PRT
; ORGANISM: Glycine max
US-09-735-846-6

Query Match 50.0%; Score 54; DB 4; Length 194;
Best Local Similarity 42.9%; Pred. No. 9.7;
Matches 9; Conservative 7; Mismatches 5; Indels 0; Gaps 0;

Qy 2 KRLRFRNKKIKELKKIGOKI 22
Db 125 RLKTLQEKVKEHQKVGKEKI 145
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RESULT 12
US-09-735-846-20
; Sequence 20, Application US/09735846
; Patent No. 6730823
; GENERAL INFORMATION:
; APPLICANT: Allen, Stephen M.
; APPLICANT: Kinney, Anthony J.
; APPLICANT: Falco, S. Carl
; TITLE OF INVENTION: PLANT CHOLINE PHOSPHATE CYTIDYLYLTRANSFERASE
; FILE REFERENCE: BB1419 US NA

; CURRENT APPLICATION NUMBER: US/09/735,846
; CURRENT FILING DATE: 2000-12-13
; PRIOR APPLICATION NUMBER: 60/170,375
; PRIOR FILING DATE: 13 DECEMBER 1999
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Microsoft Office 97
; SEQ ID NO 20
; LENGTH: 363
; TYPE: PRT
; ORGANISM: Glycine max
US-09-735-846-20

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Best Local Similarity 42.9%; Pred. No. 17;
Matches 9; Conservative 7; Mismatches 5; Indels 0; Gaps 0;

Qy 2 KRLRFRNKKIKELKKIGOKI 22
Db 235 RLKTLQEKVKEHQKVGKEKI 255
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RESULT 13
US-09-452-638-53
; Sequence 53, Application US/09452638
; Patent No. 6696281
; GENERAL INFORMATION:
; APPLICANT: Chambers, Thomas J.
; APPLICANT: Monath, Thomas P.
; APPLICANT: Guirakhoo, Farshad
; TITLE OF INVENTION: Chimeric Flavivirus Vaccines
; FILE REFERENCE: 06132/033004
; CURRENT APPLICATION NUMBER: US/09/452,638
; CURRENT FILING DATE: 1999-12-01
; PRIOR APPLICATION NUMBER: US 09/121,587
; PRIOR FILING DATE: 1998-07-23
; PRIOR APPLICATION NUMBER: PCT/US98/03894
; PRIOR FILING DATE: 1998-03-02
; PRIOR APPLICATION NUMBER: US 09/007,664
; PRIOR FILING DATE: 1998-01-15
; PRIOR APPLICATION NUMBER: US 08/807,445
; PRIOR FILING DATE: 1997-02-28
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53
; LENGTH: 3421
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: derived from Yellow Fever virus and Japanese
; OTHER INFORMATION: Encephalitis virus
US-09-452-638-53

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Best Local Similarity 47.6%; Pred. No. 1.4e+02;
Matches 10; Conservative 5; Mismatches 6; Indels 0; Gaps 0;

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Db 17 RRGVRSLSNKKIKQTKQIGNR 37
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RESULT 14
US-08-313-681A-6
; Sequence 6, Application US/08313681A
; Patent No. 5618675
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
```


;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Townsend and Townsend and Crew LLP
;; STREET: Two Embarcadero Center, 8th Floor
;; CITY: San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94111-3834
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/322,911
;; FILING DATE:
;; CLASSIFICATION:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/691,280
;; FILING DATE: August 1, 1996
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/916,761
;; FILING DATE: July 17, 1992
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 07/916,765
;; FILING DATE: July 17, 1992
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US93/06731
;; FILING DATE: July 15, 1993
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/313,681
;; FILING DATE: September 27, 1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Fitts, Renee A.
;; REGISTRATION NUMBER: 35,136
;; REFERENCE/DOCKET NUMBER: 15325-000920
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-326-2400
;; TELEFAX: 415-326-2422
;; INFORMATION FOR SEQ ID NO: 7:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 29 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 23
;; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 26
;; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
;; FEATURE:
;; NAME/KEY: Region
;; LOCATION: 27
;; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
US-09-322-911-7

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Best Local Similarity 95.5%; Pred. No. 1.5e-06;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RKRLKFRNKIKELKKGQKI 22
Db 3 RKRLKFRNKIKELKKGQXI 24

RESULT 5

US-08-313-681A-11
; Sequence 11, Application US/08313681A
; Patent No. 5618675
; GENERAL INFORMATION:

;; APPLICANT: Larrick, James W.
;; APPLICANT: Wright, Susan C.
;; APPLICANT: Hirata, Mishimasa
;; TITLE OF INVENTION: Human Cationic Proteins Having
;; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
;; NUMBER OF SEQUENCES: 30
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Townsend and Townsend Khourie and Crew
;; STREET: One Market Plaza, Steuart Tower, Suite 2000
;; CITY: San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94105
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/313,681A
;; FILING DATE:
;; CLASSIFICATION: 435
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Heslin, James M.
;; REGISTRATION NUMBER: 29,541
;; REFERENCE/DOCKET NUMBER: 15325-9-1
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 415-326-2400
;; TELEFAX: 415-326-2422
;; INFORMATION FOR SEQ ID NO: 11:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 16 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: peptide
US-08-313-681A-11

Query Match 64.8%; Score 70; DB 1; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.0092;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RKRLKFRNKIKKEK 14
Db 3 RKRLKFRNKIKKEK 16

RESULT 6

US-09-322-911-11
; Sequence 11, Application US/09322911
; Patent No. 6103888

GENERAL INFORMATION:

;; APPLICANT: Larrick, James W.
;; APPLICANT: Wright, Susan C.
;; APPLICANT: Hirata, Mishimasa
;; APPLICANT: Balint, Robert F.
;; TITLE OF INVENTION: Human Cationic Proteins Having
;; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
;; NUMBER OF SEQUENCES: 30
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Townsend and Townsend and Crew LLP
;; STREET: Two Embarcadero Center, 8th Floor
;; CITY: San Francisco
;; STATE: California
;; COUNTRY: USA
;; ZIP: 94111-3834
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Floppy disk
;; COMPUTER: IBM PC compatible
;; OPERATING SYSTEM: PC-DOS/MS-DOS
;; SOFTWARE: PatentIn Release #1.0, Version #1.25
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/322,911

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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-12

Query Match      93.3%; Score 84; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.8e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 KNLRRIIRKIIHIKKYG 18
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Db      1 KNLRRIIRKIIHIKKYG 18

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Job time : 18.2143 secs
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RESULT 2
US-09-322-911-4
; Sequence 4, Application US/093222911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend and Crew LLP
; STREET: Two Embarcadero Center, 8th Floor
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94111-3834
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09322,911
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/691,280
; FILING DATE: August 1, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,761
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/916,765
; FILING DATE: July 17, 1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US93/06731
; FILING DATE: July 15, 1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/313,681
; FILING DATE: September 27, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Fitts, Renee A.
; REGISTRATION NUMBER: 35,136
; REFERENCE/DOCKET NUMBER: 15325-000920
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 171 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-322-911-4
Query Match 100.0%; Score 108; DB 3; Length 171;
Best Local Similarity 100.0%; Pred. No. 1.3e-06;
Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 RKRLKFRNKIKEKLLKIGQKI 22
Db 137 RKRLKFRNKIKEKLLKIGQKI 158
RESULT 3
US-08-313-681A-7
; Sequence 7, Application US/08313681A

; Patent No. 5618675
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend Khourie and Crew
; STREET: One Market Plaza, Steuart Tower, Suite 2000
; CITY: San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94105
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/313,681A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Heslin, James M.
; REGISTRATION NUMBER: 29,541
; REFERENCE/DOCKET NUMBER: 15325-9-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-326-2400
; TELEFAX: 415-326-2422
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 29 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Region
; LOCATION: 23
; OTHER INFORMATION: /note= "Xaa is Asp or Lys"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 26
; OTHER INFORMATION: /note= "Xaa is a Gln or Ile"
; FEATURE:
; NAME/KEY: Region
; LOCATION: 27
; OTHER INFORMATION: /note= "Xaa is a Gly or Gln"
US-08-313-681A-7
Query Match 94.4%; Score 102; DB 1; Length 29;
Best Local Similarity 95.5%; Pred. No. 1.5e-06;
Matches 21; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
Qy 1 RKRLKFRNKIKEKLLKIGQKI 22
Db 3 RKRLKFRNKIKEKLLKIGQXI 24
RESULT 4
US-09-322-911-7
; Sequence 7, Application US/093222911
; Patent No. 6103888
; GENERAL INFORMATION:
; APPLICANT: Larrick, James W.
; APPLICANT: Wright, Susan C.
; APPLICANT: Hirata, Mishimasa
; APPLICANT: Balint, Robert F.
; TITLE OF INVENTION: Human Cationic Proteins Having
; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity
; NUMBER OF SEQUENCES: 30

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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 22.2619 Seconds
(without alignments)
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Title: US-09-642-744E-21

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Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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5	70	64.8	16	1	US-08-313-681A-11
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7	64	59.3	33	5	PCT-US95-12080-4
8	60	55.6	326	4	US-09-735-846-25
9	57	52.8	329	4	US-09-735-846-24
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ALIGNMENTS

RESULT 1

US-08-313-681A-4

; Sequence 4, Application US/08313681A

; Patent No. 5618675

; GENERAL INFORMATION:

; APPLICANT: Larrick, James W.

; APPLICANT: Wright, Susan C.

; APPLICANT: Hirata, Mishimasa

; TITLE OF INVENTION: Human Cationic Proteins Having

; TITLE OF INVENTION: Lipopolysaccharide Binding and Anti-Coagulant Activity

; NUMBER OF SEQUENCES: 30

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Townsend and Townsend Kourie and Crew

; STREET: One Market Plaza, Steuart Tower, Suite 2000

; CITY: San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94105

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA: US/08/313.681A

; APPLICATION NUMBER: US/08/313.681A

; FILING DATE:

; CLASSIFICATION: 435

; ATTORNEY/AGENT INFORMATION:

; NAME: Heslin, James M.

; REGISTRATION NUMBER: 29,541

; REFERENCE/DOCKET NUMBER: 15325-9-1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415-326-2400

; TELEFAX: 415-326-2422

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 171 amino acids

; TYPE: amino acid

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-313-681A-4

Query Match 100.0%; Score 108; DB 1; Length 171;

Best Local Similarity 100.0%; Pred. No. 1.3e-06;

Matches 22; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RKRLKFRNKIKKIKIGQKI 22

DB 137 RKRLKFRNKIKKIKIGQKI 158

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 18.2143 Seconds
(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-7

Perfect score: 90

Sequence: 1 KNIRRIIRKIHIKKYG 18

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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4: /cgn2_6/ptodata/1/1aa/6B_COMB.pep.*
5: /cgn2_6/ptodata/1/1aa/PCTUS_COMB.pep.*
6: /cgn2_6/ptodata/1/1aa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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4	88	97.8	18	4	US-09-840-009-23
5	88	97.8	18	4	US-09-840-009-30
6	83	92.2	18	4	US-09-840-009-4
7	83	92.2	18	4	US-09-840-009-8
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9	83	92.2	18	4	US-09-840-009-15
10	83	92.2	18	4	US-09-840-009-18
11	83	92.2	18	4	US-09-840-009-22
12	83	92.2	18	4	US-09-840-009-25
13	83	92.2	18	4	US-09-840-009-29
14	82	91.1	18	4	US-09-840-009-5
15	82	91.1	18	4	US-09-840-009-12
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29 80 88.9 18 4 US-09-840-009-24 Sequence 24, Appl
30 80 88.9 18 4 US-09-840-009-31 Sequence 31, Appl
31 74 82.2 18 4 US-09-840-009-34 Sequence 34, Appl
32 74 82.2 18 4 US-09-840-009-35 Sequence 35, Appl
33 72 80.0 18 4 US-09-840-009-32 Sequence 32, Appl
34 72 80.0 18 4 US-09-840-009-33 Sequence 33, Appl
35 68 75.6 18 4 US-09-840-009-1 Sequence 1, Appl
36 63 70.0 18 4 US-09-840-009-36 Sequence 36, Appl
37 63 70.0 18 4 US-09-840-009-37 Sequence 37, Appl
38 55 61.1 160 4 US-09-917-340-36 Sequence 35406, A
39 52 57.8 169 4 US-09-270-767-35406 Sequence 35406, A
40 52 57.8 169 4 US-09-270-767-50623 Sequence 50623, A
41 48 53.3 205 3 US-09-134-001C-4766 Sequence 4766, Ap
42 44 48.9 24 4 US-09-785-059B-5 Sequence 5, Appl
43 44 48.9 36 4 US-09-785-059B-6 Sequence 6, Appl
44 44 48.9 42 4 US-09-785-059B-7 Sequence 7, Appl
45 44 48.9 48 4 US-09-785-059B-8 Sequence 8, Appl

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ALIGNMENTS

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; Sequence 2, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

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Query Match          97.8%; Score 88; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 3.9e-07;
Matches 17; Conservative 1; Mismatches 0; Indels 0; Gaps 0;
QY 1 KNIRRIIRKIHIKKYG 18
DB 1 KNLRRIIRKIHIKKYG 18

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RESULT 2
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9

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QY 1 KNIRRIIRKIIHIKKYG 18
||:|||||
Db 1 KNLRRTIRKIIHIKKYG 18

RESULT 7

US-09-840-009-8
; Sequence 8, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-8

Query Match 92.2%; Score 83; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 2.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KNIRRIIRKIIHIKKYG 18
||:|||||
Db 1 KNLRRAIRKIIHIKKYG 18

RESULT 8

US-09-840-009-11
; Sequence 11, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-11

Query Match 92.2%; Score 83; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 2.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KNIRRIIRKIIHIKKYG 18
||:|||||
Db 1 KNLRRTIRKIIHIKKYG 18

RESULT 9

US-09-840-009-15
; Sequence 15, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-15

Query Match 92.2%; Score 83; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 2.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KNIRRIIRKIIHIKKYG 18
||:|||||
Db 1 KNLRRIARKIIHIKKYG 18

RESULT 10

US-09-840-009-18
; Sequence 18, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-18

Query Match 92.2%; Score 83; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 2.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 KNIRRIIRKIIHIKKYG 18
||:|||||
Db 1 KNLRRIIRKIIHIKKYG 18

RESULT 11

US-09-840-009-22
; Sequence 22, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.

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; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; SOFTWARE: FastSEQ for Windows Version 4.0
; NUMBER OF SEQ ID NOS: 37
; SEQ ID NO 22
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-22

Query Match          92.2%; Score 83; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 2.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKATHIHKYG 18

RESULT 12
US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-25

Query Match          92.2%; Score 83; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 2.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKATHIHKYG 18

RESULT 13
US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
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; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-29

Query Match          92.2%; Score 83; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 2.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKATHIHKYG 18

RESULT 14
US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-5

Query Match          91.1%; Score 82; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 3.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNIRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKATHIHKYG 18

RESULT 15
US-09-840-009-12
; Sequence 12, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-12

Query Match          91.1%; Score 82; DB 4; Length 18;
Best Local Similarity 88.9%; Pred. No. 3.2e-06;
Matches 16; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY      1 KNIRRIIRKIIHIKKYG 18
      ||:|||||
Db       1 KNLRRIIRKIIHIKKYG 18
      ||:|||||

Search completed: September 12, 2005, 19:54:21
Job time : 19.2143 secs
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 18.2143 Seconds
(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-8

Perfect score: 90

Sequence: 1 KNLRRIIRKIHIKKYG 18

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA*
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2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A_COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	90	100.0	18	4	US-09-840-009-2
2	90	100.0	18	4	US-09-840-009-9
3	90	100.0	18	4	US-09-840-009-16
4	90	100.0	18	4	US-09-840-009-23
5	90	100.0	18	4	US-09-840-009-30
6	85	94.4	18	4	US-09-840-009-4
7	85	94.4	18	4	US-09-840-009-8
8	85	94.4	18	4	US-09-840-009-11
9	85	94.4	18	4	US-09-840-009-15
10	85	94.4	18	4	US-09-840-009-18
11	85	94.4	18	4	US-09-840-009-22
12	85	94.4	18	4	US-09-840-009-25
13	85	94.4	18	4	US-09-840-009-29
14	84	93.3	18	4	US-09-840-009-5
15	84	93.3	18	4	US-09-840-009-12
16	84	93.3	18	4	US-09-840-009-19
17	84	93.3	18	4	US-09-840-009-26
18	83	92.2	18	4	US-09-840-009-6
19	83	92.2	18	4	US-09-840-009-7
20	83	92.2	18	4	US-09-840-009-13
21	83	92.2	18	4	US-09-840-009-14
22	83	92.2	18	4	US-09-840-009-20
23	83	92.2	18	4	US-09-840-009-21
24	83	92.2	18	4	US-09-840-009-27
25	83	92.2	18	4	US-09-840-009-28
26	82	91.1	18	4	US-09-840-009-3
27	82	91.1	18	4	US-09-840-009-10

28	82	91.1	18	4	US-09-840-009-17
29	82	91.1	18	4	US-09-840-009-24
30	82	91.1	18	4	US-09-840-009-31
31	76	84.4	18	4	US-09-840-009-34
32	76	84.4	18	4	US-09-840-009-35
33	74	82.2	18	4	US-09-840-009-32
34	74	82.2	18	4	US-09-840-009-33
35	70	77.8	18	4	US-09-840-009-1
36	65	72.2	18	4	US-09-840-009-36
37	65	72.2	18	4	US-09-840-009-37
38	57	63.3	160	4	US-09-917-340-36
39	50	55.6	169	4	US-09-270-767-35406
40	50	55.6	169	4	US-09-270-767-50623
41	50	55.6	205	3	US-09-134-001C-4766
42	43.5	48.3	167	4	US-09-710-279-1502
43	43.5	48.3	320	3	US-09-134-001C-3823
44	43	47.8	823	4	US-09-949-016-8339
45	42	46.7	24	4	US-09-785-059B-5

ALIGNMENTS

RESULT 1
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 100.0%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY	1	KNLRRIIRKIHIKKYG	18
DB	1	KNLRRIIRKIHIKKYG	18

RESULT 2
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9

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; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match          100.0%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18
|||||

RESULT 3
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match          100.0%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18
|||||

RESULT 4
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match          100.0%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18
|||||

RESULT 5
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match          100.0%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18
|||||

RESULT 6
US-09-840-009-4
; Sequence 4, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-4

Query Match          100.0%; Score 90; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 2.1e-07;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIIHIKKYG 18
|||||

Query Match          94.4%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 KNLRRIRKIIHIKKYG 18
|||||
Db 1 KNLRRIRKIIHIKKYG 18

RESULT 7
US-09-840-009-8
; Sequence 8, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-8

Query Match 94.4%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KNLRRIRKIIHIKKYG 18
|||||
Db 1 KNLRRIRKIIHIKKYG 18

RESULT 8
US-09-840-009-11
; Sequence 11, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-11

Query Match 94.4%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KNLRRIRKIIHIKKYG 18
|||||
Db 1 KNLRRIRKIIHIKKYG 18

RESULT 9
US-09-840-009-15
; Sequence 15, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-15

Query Match 94.4%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KNLRRIRKIIHIKKYG 18
|||||
Db 1 KNLRRIRKIIHIKKYG 18

RESULT 10
US-09-840-009-18
; Sequence 18, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-18

Query Match 94.4%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 KNLRRIRKIIHIKKYG 18
|||||
Db 1 KNLRRIRKIIHIKKYG 18

RESULT 11
US-09-840-009-22
; Sequence 22, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.

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; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-22

Query Match          94.4%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIAHIKKYG 18

RESULT 12
US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-25

Query Match          94.4%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIAHIKKYG 18

RESULT 13
US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
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; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-29

Query Match          94.4%; Score 85; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.2e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIAHIKKYG 18

RESULT 14
US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Tack, Brian F.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-5

Query Match          93.3%; Score 84; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.8e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 KNLRRIIRKIIHIKKYG 18
Db 1 KNLRRIIRKIAHIKKYG 18

RESULT 15
US-09-840-009-12
; Sequence 12, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-12

Query Match      93.3%; Score 84; DB 4; Length 18;
Best Local Similarity 94.4%; Pred. No. 1.8e-06;
Matches 17; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 KNLRLRIIRKIIHIKKYG 18
      ||||| ||||| |||||
Db       1 KNLRLRISRKIIHIKKYG 18

Search completed: September 12, 2005, 19:54:21
Job time : 18.2143 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 16.1905 Seconds
(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-9

Perfect score: 79
Sequence: 1 NLRRIRKIIHIKKY 16

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA*
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2: /cgn2_6/ptodata/1/1aa/5B-COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	79	100.0	18	4	US-09-840-009-9
3	79	100.0	18	4	US-09-840-009-16
4	79	100.0	18	4	US-09-840-009-23
5	79	100.0	18	4	US-09-840-009-30
6	74	93.7	18	4	US-09-840-009-4
7	74	93.7	18	4	US-09-840-009-8
8	74	93.7	18	4	US-09-840-009-11
9	74	93.7	18	4	US-09-840-009-15
10	74	93.7	18	4	US-09-840-009-18
11	74	93.7	18	4	US-09-840-009-22
12	74	93.7	18	4	US-09-840-009-25
13	74	93.7	18	4	US-09-840-009-29
14	73	92.4	18	4	US-09-840-009-5
15	73	92.4	18	4	US-09-840-009-12
16	73	92.4	18	4	US-09-840-009-19
17	73	92.4	18	4	US-09-840-009-26
18	72	91.1	18	4	US-09-840-009-6
19	72	91.1	18	4	US-09-840-009-7
20	72	91.1	18	4	US-09-840-009-13
21	72	91.1	18	4	US-09-840-009-14
22	72	91.1	18	4	US-09-840-009-20
23	72	91.1	18	4	US-09-840-009-21
24	72	91.1	18	4	US-09-840-009-27
25	72	91.1	18	4	US-09-840-009-28
26	71	89.9	18	4	US-09-840-009-3
27	71	89.9	18	4	US-09-840-009-10

28	71	89.9	18	4	US-09-840-009-17
29	71	89.9	18	4	US-09-840-009-24
30	71	89.9	18	4	US-09-840-009-31
31	65	82.3	18	4	US-09-840-009-34
32	65	82.3	18	4	US-09-840-009-35
33	63	79.7	18	4	US-09-840-009-32
34	63	79.7	18	4	US-09-840-009-33
35	59	74.7	18	4	US-09-840-009-1
36	57	72.2	18	4	US-09-840-009-36
37	57	72.2	18	4	US-09-840-009-37
38	49	62.0	160	4	US-09-917-340-36
39	45	57.0	169	4	US-09-270-767-35406
40	45	57.0	169	4	US-09-270-767-50623
41	44	55.7	205	3	US-09-134-001C-4766
42	43.5	55.1	167	4	US-09-710-279-1502
43	43.5	55.1	320	3	US-09-134-001C-3823
44	43	54.4	823	4	US-09-949-016-8339
45	42	53.2	526	4	US-09-270-767-45588

ALIGNMENTS

RESULT 1
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 100.0%; Score 79; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.7e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 NLRRIRKIIHIKKY 16
| | | | | | | | | | | | | | | |
DB 2 NLRRIRKIIHIKKY 17

RESULT 2
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9

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; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9
Query Match      100.0%; Score 79; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.7e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NLRRIIRKIIHIKKY 16
Db 2 NLRRIIRKIIHIKKY 17

RESULT 3
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16
Query Match      100.0%; Score 79; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.7e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NLRRIIRKIIHIKKY 16
Db 2 NLRRIIRKIIHIKKY 17

RESULT 4
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23
Query Match      100.0%; Score 79; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.7e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NLRRIIRKIIHIKKY 16
Db 2 NLRRIIRKIIHIKKY 17

RESULT 5
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30
Query Match      100.0%; Score 79; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.7e-06;
Matches 16; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 NLRRIIRKIIHIKKY 16
Db 2 NLRRIIRKIIHIKKY 17

RESULT 6
US-09-840-009-4
; Sequence 4, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-4
Query Match      93.7%; Score 74; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 5e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 NLRRIRKIIHIKKY 16
Db 2 NLRRIRKIIHIKKY 17

RESULT 7
US-09-840-009-8
; Sequence 8, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-8

Query Match 93.7%; Score 74; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 5e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NLRRIRKIIHIKKY 16
Db 2 NLRRIRKIIHIKKY 17

RESULT 8
US-09-840-009-11
; Sequence 11, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-11

Query Match 93.7%; Score 74; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 5e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NLRRIRKIIHIKKY 16
Db 2 NLRRIRKIIHIKKY 17

RESULT 9
US-09-840-009-15
; Sequence 15, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-15

Query Match 93.7%; Score 74; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 5e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NLRRIRKIIHIKKY 16
Db 2 NLRRIRKIIHIKKY 17

RESULT 10
US-09-840-009-18
; Sequence 18, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-18

Query Match 93.7%; Score 74; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 5e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 NLRRIRKIIHIKKY 16
Db 2 NLRRIRKIIHIKKY 17

RESULT 11
US-09-840-009-22
; Sequence 22, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
```

; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-22

Query Match 93.7%; Score 74; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 5e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NLRRIKRIHIKKY 16
| | | | | | | | | | | | | | | |
Db 2 NLRRIKRIHIKKY 17

RESULT 12

US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-25

Query Match 93.7%; Score 74; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 5e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NLRRIKRIHIKKY 16
| | | | | | | | | | | | | | | |
Db 2 NLRRIKRIHIKKY 17

RESULT 13

US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19

; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-29

Query Match 93.7%; Score 74; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 5e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NLRRIKRIHIKKY 16
| | | | | | | | | | | | | | | |
Db 2 NLRRIKRIHIKKY 17

RESULT 14

US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-5

Query Match 92.4%; Score 73; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 7.2e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NLRRIKRIHIKKY 16
| | | | | | | | | | | | | | | |
Db 2 NLRRIKRIHIKKY 17

RESULT 15

US-09-840-009-12
; Sequence 12, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18

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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-12

Query Match      92.4%; Score 73; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 7.2e-05;
Matches 15; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 NLRRIRKIIHIKKY 16
      ||||| ||||| |||||
Db      2 NLRRISRKIIHIKKY 17

Search completed: September 12, 2005, 19:54:21
Job time : 16.1905 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 16.1905 Seconds
(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-10

Perfect score: 79

Sequence: 1 NRRIRKIIHIKKY 16

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued_Patents_AA.*

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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	77	97.5	18	4	US-09-840-009-2
2	77	97.5	18	4	US-09-840-009-9
3	77	97.5	18	4	US-09-840-009-16
4	77	97.5	18	4	US-09-840-009-23
5	77	97.5	18	4	US-09-840-009-30
6	72	91.1	18	4	US-09-840-009-4
7	72	91.1	18	4	US-09-840-009-8
8	72	91.1	18	4	US-09-840-009-11
9	72	91.1	18	4	US-09-840-009-15
10	72	91.1	18	4	US-09-840-009-18
11	72	91.1	18	4	US-09-840-009-22
12	72	91.1	18	4	US-09-840-009-25
13	72	91.1	18	4	US-09-840-009-29
14	71	89.9	18	4	US-09-840-009-5
15	71	89.9	18	4	US-09-840-009-12
16	71	89.9	18	4	US-09-840-009-19
17	71	89.9	18	4	US-09-840-009-26
18	70	88.6	18	4	US-09-840-009-6
19	70	88.6	18	4	US-09-840-009-7
20	70	88.6	18	4	US-09-840-009-13
21	70	88.6	18	4	US-09-840-009-14
22	70	88.6	18	4	US-09-840-009-20
23	70	88.6	18	4	US-09-840-009-21
24	70	88.6	18	4	US-09-840-009-27
25	70	88.6	18	4	US-09-840-009-28
26	69	87.3	18	4	US-09-840-009-3
27	69	87.3	18	4	US-09-840-009-10

Sequence 17, Appl
Sequence 24, Appl
Sequence 31, Appl
Sequence 34, Appl
Sequence 35, Appl
Sequence 32, Appl
Sequence 33, Appl
Sequence 1, Appl
Sequence 36, Appl
Sequence 37, Appl
Sequence 36, Appl
Sequence 35406, A
Sequence 50623, A
Sequence 39626, A
Sequence 54843, A
Sequence 5, Appl
Sequence 6, Appl
Sequence 7, Appl

ALIGNMENTS

RESULT 1

US-09-840-009-2

; Sequence 2, Application US/09840009

; Patent No. 6492328

; GENERAL INFORMATION:

; APPLICANT: Lehrer, Robert I.

; APPLICANT: Waring, Alan J.

; APPLICANT: Tack, Brian F.

; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES

; FILE REFERENCE: 06510-195WO

; CURRENT APPLICATION NUMBER: US/09/840,009

; CURRENT FILING DATE: 2001-04-19

; PRIOR APPLICATION NUMBER: US 09/606,858

; PRIOR FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 2

; LENGTH: 18

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Synthetic antimicrobial peptide

US-09-840-009-2

Query Match 97.5%; Score 77; DB 4; Length 18;

Best Local Similarity 93.8%; Pred. No. 1.5e-05;

Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NRRIRKIIHIKKY 16

Db 2 NRRIRKIIHIKKY 17

RESULT 2

US-09-840-009-9

; Sequence 9, Application US/09840009

; Patent No. 6492328

; GENERAL INFORMATION:

; APPLICANT: Lehrer, Robert I.

; APPLICANT: Waring, Alan J.

; APPLICANT: Tack, Brian F.

; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES

; FILE REFERENCE: 06510-195WO

; CURRENT APPLICATION NUMBER: US/09/840,009

; CURRENT FILING DATE: 2001-04-19

; PRIOR APPLICATION NUMBER: US 09/606,858

; PRIOR FILING DATE: 2000-06-28

; NUMBER OF SEQ ID NOS: 37

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 9

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; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match          97.5%; Score 77; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 1.5e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NIRRIRKIIHIKKY 16
   |:|||||
Db 2 NLRRIRKIIHIKKY 17
   |:|||||

RESULT 3
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; PRIOR FILING DATE: 2001-04-19
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; SOFTWARE: FastSEQ for Windows Version 4.0
; NUMBER OF SEQ ID NOS: 37
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match          97.5%; Score 77; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 1.5e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NIRRIRKIIHIKKY 16
   |:|||||
Db 2 NLRRIRKIIHIKKY 17
   |:|||||

RESULT 4
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; PRIOR FILING DATE: 2001-04-19
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; SOFTWARE: FastSEQ for Windows Version 4.0
; NUMBER OF SEQ ID NOS: 37
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match          97.5%; Score 77; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 1.5e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NIRRIRKIIHIKKY 16
   |:|||||
Db 2 NLRRIRKIIHIKKY 17
   |:|||||

RESULT 5
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; PRIOR FILING DATE: 2001-04-19
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; SOFTWARE: FastSEQ for Windows Version 4.0
; NUMBER OF SEQ ID NOS: 37
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match          97.5%; Score 77; DB 4; Length 18;
Best Local Similarity 93.8%; Pred. No. 1.5e-05;
Matches 15; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 NIRRIRKIIHIKKY 16
   |:|||||
Db 2 NLRRIRKIIHIKKY 17
   |:|||||

RESULT 6
US-09-840-009-4
; Sequence 4, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; PRIOR FILING DATE: 2001-04-19
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; SOFTWARE: FastSEQ for Windows Version 4.0
; NUMBER OF SEQ ID NOS: 37
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-4

Query Match          97.5%; Score 72; DB 4; Length 18;
Best Local Similarity 87.5%; Pred. No. 8.8e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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QY 1 NRRIRKIIHIKKY 16
|:|:| | | | | | | | | |
DB 2 NLRRTIRKIIHIKKY 17

RESULT 7

US-09-840-009-8
; Sequence 8, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-8

Query Match 91.1%; Score 72; DB 4; Length 18;
Best Local Similarity 87.5%; Pred. No. 8.8e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 NRRIRKIIHIKKY 16
|:|:| | | | | | | | | |
DB 2 NLRRAIRKIIHIKKY 17

RESULT 8

US-09-840-009-11
; Sequence 11, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-11

Query Match 91.1%; Score 72; DB 4; Length 18;
Best Local Similarity 87.5%; Pred. No. 8.8e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 NRRIRKIIHIKKY 16
|:|:| | | | | | | | | |
DB 2 NLRRTIRKIIHIKKY 17

RESULT 9

US-09-840-009-15
; Sequence 15, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-15

Query Match 91.1%; Score 72; DB 4; Length 18;
Best Local Similarity 87.5%; Pred. No. 8.8e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 NRRIRKIIHIKKY 16
|:|:| | | | | | | | | |
DB 2 NLRRIARKIIHIKKY 17

RESULT 10

US-09-840-009-18
; Sequence 18, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-18

Query Match 91.1%; Score 72; DB 4; Length 18;
Best Local Similarity 87.5%; Pred. No. 8.8e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 NRRIRKIIHIKKY 16
|:|:| | | | | | | | | |
DB 2 NLRRIARKIIHIKKY 17

RESULT 11

US-09-840-009-22
; Sequence 22, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.

```
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; SOFTWARE: FastSEQ for Windows Version 4.0
; NUMBER OF SEQ ID NOS: 37
; SEQ ID NO 22
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-22

Query Match          91.1%; Score 72; DB 4; Length 18;
Best Local Similarity 87.5%; Pred. No. 8.8e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NRRIRKIIHIKKY 16
Db 2 NLRRIKKAIIHIKKY 17

RESULT 12
US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-25

Query Match          91.1%; Score 72; DB 4; Length 18;
Best Local Similarity 87.5%; Pred. No. 8.8e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NRRIRKIIHIKKY 16
Db 2 NLRRIKKAIIHIKKY 17

RESULT 13
US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
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; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-29

Query Match          91.1%; Score 72; DB 4; Length 18;
Best Local Similarity 87.5%; Pred. No. 8.8e-05;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NRRIRKIIHIKKY 16
Db 2 NLRRIKKAIIHIKKY 17

RESULT 14
US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-5

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Best Local Similarity 87.5%; Pred. No. 0.00012;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 NRRIRKIIHIKKY 16
Db 2 NLRRIKKAIIHIKKY 17

RESULT 15
US-09-840-009-12
; Sequence 12, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-12

Query Match      89.9%; Score 71; DB 4; Length 18;
Best Local Similarity 87.5%; Pred. No. 0.00012;
Matches 14; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy      1 NIRRIRKIIHIKKY 16
      |:|||||
Db      2 NRRIRKIIHIKKY 17

Search completed: September 12, 2005, 19:54:21
Job time : 16.1905 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 14.1667 Seconds
(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-11

Perfect score: 66

Sequence: 1 LRRIRKIIHIKK 14

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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4	66	100.0	18	4	US-09-840-009-23
5	66	100.0	18	4	US-09-840-009-30
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7	61	92.4	18	4	US-09-840-009-8
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9	61	92.4	18	4	US-09-840-009-15
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14	60	90.9	18	4	US-09-840-009-5
15	60	90.9	18	4	US-09-840-009-12
16	60	90.9	18	4	US-09-840-009-19
17	60	90.9	18	4	US-09-840-009-26
18	59	89.4	18	4	US-09-840-009-6
19	59	89.4	18	4	US-09-840-009-7
20	59	89.4	18	4	US-09-840-009-13
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25	59	89.4	18	4	US-09-840-009-28
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27	58	87.9	18	4	US-09-840-009-10

28 58 87.9 18 4 US-09-840-009-17 Sequence 17, Appl
29 58 87.9 18 4 US-09-840-009-24 Sequence 24, Appl
30 58 87.9 18 4 US-09-840-009-31 Sequence 31, Appl
31 58 87.9 18 4 US-09-840-009-34 Sequence 34, Appl
32 58 87.9 18 4 US-09-840-009-35 Sequence 35, Appl
33 50 75.8 18 4 US-09-840-009-32 Sequence 32, Appl
34 50 75.8 18 4 US-09-840-009-33 Sequence 33, Appl
35 50 75.8 18 4 US-09-840-009-36 Sequence 36, Appl
36 50 75.8 18 4 US-09-840-009-37 Sequence 37, Appl
37 46 69.7 18 4 US-09-840-009-1 Sequence 1, Appl
38 42 63.6 160 4 US-09-917-340-36 Sequence 36, Appl
39 41 62.1 337 4 US-09-538-092-38 Sequence 38, Appl
40 40 60.6 24 4 US-09-785-059B-5 Sequence 5, Appl
41 40 60.6 36 4 US-09-785-059B-6 Sequence 6, Appl
42 40 60.6 42 4 US-09-785-059B-7 Sequence 7, Appl
43 40 60.6 48 4 US-09-785-059B-8 Sequence 8, Appl
44 39 59.1 391 3 US-09-134-001C-5234 Sequence 5234, Ap
45 38 57.6 149 4 US-09-774-639-304 Sequence 304, App

ALIGNMENTS

RESULT 1
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

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Best Local Similarity 100.0%; Pred. No. 0.00036;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Oy 1 LRRIRKIIHIKK 14
Db 3 LRRIRKIIHIKK 16

RESULT 2
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9

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; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match      100.0%; Score 66; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00036;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LRRIRKIIHIKK 14
Db      3 LRRIRKIIHIKK 16

RESULT 3
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match      100.0%; Score 66; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00036;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LRRIRKIIHIKK 14
Db      3 LRRIRKIIHIKK 16

RESULT 4
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

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Best Local Similarity 100.0%; Pred. No. 0.00036;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LRRIRKIIHIKK 14
Db      3 LRRIRKIIHIKK 16

RESULT 5
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match      100.0%; Score 66; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00036;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 LRRIRKIIHIKK 14
Db      3 LRRIRKIIHIKK 16

RESULT 6
US-09-840-009-4
; Sequence 4, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-4

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Best Local Similarity 92.9%; Pred. No. 0.0022;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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RESULT 7

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US-09-840-009-8
; Sequence 8, Application US/09840009
; Patent No. 649328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US/09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-8

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RESULT 8

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US-09-840-009-11
; Sequence 11, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-11

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RESULT 9

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US-09-840-009-15
; Sequence 15, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-15

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RESULT 10

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US-09-840-009-18
; Sequence 18, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVIOSPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-18

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RESULT 11

US-09-840-009-22
; Sequence 22, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.

; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
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; LENGTH: 18
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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-22

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Qy 1 LRRIRKIIHIKK 14
Db 3 LRRIRKAIHIKK 16

RESULT 12

US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-25

Query Match 92.4%; Score 61; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.0022;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
Db 3 LRRIRKTIHIKK 16

RESULT 13

US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19

; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
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; SEQ ID NO 29
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-29

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Best Local Similarity 92.9%; Pred. No. 0.0022;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db 3 LRRIRKAIHIKK 16

RESULT 14

US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-5

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Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
Db 3 LRRIRKTIHIKK 16

RESULT 15

US-09-840-009-12
; Sequence 12, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18

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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-12

Query Match      90.9%; Score 60; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.0031;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Db      3 LRRIRKIIHIKK 16

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Job time : 14.1667 secs
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This Page Blank (uspto)

GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 14.1667 Seconds
(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-12

Perfect score: 66

Sequence: 1 LRRIRKIIHIKK 14

Scoring table: BLOSUM62

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Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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2	66	100.0	18	4	US-09-840-009-9
3	66	100.0	18	4	US-09-840-009-16
4	66	100.0	18	4	US-09-840-009-23
5	66	100.0	18	4	US-09-840-009-30
6	61	92.4	18	4	US-09-840-009-4
7	61	92.4	18	4	US-09-840-009-8
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10	61	92.4	18	4	US-09-840-009-18
11	61	92.4	18	4	US-09-840-009-22
12	61	92.4	18	4	US-09-840-009-25
13	61	92.4	18	4	US-09-840-009-29
14	60	90.9	18	4	US-09-840-009-5
15	60	90.9	18	4	US-09-840-009-12
16	60	90.9	18	4	US-09-840-009-19
17	60	90.9	18	4	US-09-840-009-26
18	59	89.4	18	4	US-09-840-009-6
19	59	89.4	18	4	US-09-840-009-7
20	59	89.4	18	4	US-09-840-009-13
21	59	89.4	18	4	US-09-840-009-14
22	59	89.4	18	4	US-09-840-009-20
23	59	89.4	18	4	US-09-840-009-21
24	59	89.4	18	4	US-09-840-009-27
25	59	89.4	18	4	US-09-840-009-28
26	58	87.9	18	4	US-09-840-009-3
27	58	87.9	18	4	US-09-840-009-10

28	58	87.9	18	4	US-09-840-009-17
29	58	87.9	18	4	US-09-840-009-24
30	58	87.9	18	4	US-09-840-009-31
31	58	87.9	18	4	US-09-840-009-34
32	58	87.9	18	4	US-09-840-009-35
33	50	75.8	18	4	US-09-840-009-32
34	50	75.8	18	4	US-09-840-009-33
35	50	75.8	18	4	US-09-840-009-36
36	50	75.8	18	4	US-09-840-009-37
37	46	69.7	18	4	US-09-840-009-1
38	42	63.6	160	4	US-09-917-340-36
39	41	62.1	337	4	US-09-538-092-38
40	40	60.6	24	4	US-09-785-059B-5
41	40	60.6	36	4	US-09-785-059B-6
42	40	60.6	42	4	US-09-785-059B-7
43	40	60.6	48	4	US-09-785-059B-8
44	39	59.1	391	3	US-09-134-001C-5234
45	38	57.6	149	4	US-09-774-639-304

ALIGNMENTS

RESULT 1
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 100.0%; Score 66; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00036;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
| | | | | | | | | | | | | | | |
Db 3 LRRIRKIIHIKK 16

RESULT 2
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9

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; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match      100.0%; Score 66; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00036;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
   |||||
Db 3 LRRIRKIIHIKK 16

RESULT 3
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match      100.0%; Score 66; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00036;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
   |||||
Db 3 LRRIRKIIHIKK 16

RESULT 4
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match      100.0%; Score 66; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00036;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
   |||||
Db 3 LRRIRKIIHIKK 16

RESULT 5
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match      100.0%; Score 66; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.00036;
Matches 14; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
   |||||
Db 3 LRRIRKIIHIKK 16

RESULT 6
US-09-840-009-4
; Sequence 4, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-4

Query Match      92.4%; Score 61; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.0022;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 LRRIRKIIHIKK 14
||| |||||
Db 3 LRRTRKIIHIKK 16

RESULT 7

US-09-840-009-8
; Sequence 8, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-8

Query Match 92.4%; Score 61; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.0022;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LRRIRKIIHIKK 14
||| |||||
Db 3 LRRIRKIIHIKK 16

RESULT 8

US-09-840-009-11
; Sequence 11, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-11

Query Match 92.4%; Score 61; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.0022;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LRRIRKIIHIKK 14
||| |||||
Db 3 LRRIRKIIHIKK 16

RESULT 9

US-09-840-009-15
; Sequence 15, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-15

Query Match 92.4%; Score 61; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.0022;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LRRIRKIIHIKK 14
||| |||||
Db 3 LRRIRKIIHIKK 16

RESULT 10

US-09-840-009-18
; Sequence 18, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-18

Query Match 92.4%; Score 61; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.0022;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LRRIRKIIHIKK 14
||| |||||
Db 3 LRRIRKIIHIKK 16

RESULT 11

US-09-840-009-22
; Sequence 22, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.

```
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
;
US-09-840-009-22

Query Match          92.4%; Score 61; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.0022;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
Db 3 LRRIRKAIHIKK 16

RESULT 12
US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
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US-09-840-009-25

Query Match          92.4%; Score 61; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.0022;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
Db 3 LRRIRKTHIHK 16

RESULT 13
US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
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; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
;
US-09-840-009-29

Query Match          92.4%; Score 61; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.0022;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
Db 3 LRRIRKAIHIKK 16

RESULT 14
US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
;
US-09-840-009-5

Query Match          90.9%; Score 60; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.0031;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIKK 14
Db 3 LRRIRKIIHIKK 16

RESULT 15
US-09-840-009-12
; Sequence 12, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-12

Query Match      90.9%; Score 60; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.0031;
Matches 13; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LRRIRKIIHIKK 14
   ||| ||| ||| |||
Db  3 LRRIRKIIHIKK 16

Search completed: September 12, 2005, 19:54:22
Job time : 14.1667 secs
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 14.1667 Seconds
(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-13
Perfect score: 66
Sequence: 1 IRRIRKIIHIKK 14

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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2: /cgn2_6/ptodata/1/iaa/5B-COMB.pep:*
3: /cgn2_6/ptodata/1/iaa/6A-COMB.pep:*
4: /cgn2_6/ptodata/1/iaa/6B-COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	64	97.0	18	4	US-09-840-009-2
2	64	97.0	18	4	US-09-840-009-9
3	64	97.0	18	4	US-09-840-009-16
4	64	97.0	18	4	US-09-840-009-23
5	64	97.0	18	4	US-09-840-009-30
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13	59	89.4	18	4	US-09-840-009-29
14	58	87.9	18	4	US-09-840-009-5
15	58	87.9	18	4	US-09-840-009-12
16	58	87.9	18	4	US-09-840-009-19
17	58	87.9	18	4	US-09-840-009-26
18	57	86.4	18	4	US-09-840-009-6
19	57	86.4	18	4	US-09-840-009-7
20	57	86.4	18	4	US-09-840-009-13
21	57	86.4	18	4	US-09-840-009-14
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23	57	86.4	18	4	US-09-840-009-21
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25	57	86.4	18	4	US-09-840-009-28
26	56	84.8	18	4	US-09-840-009-3
27	56	84.8	18	4	US-09-840-009-10

28	56	84.8	18	4	US-09-840-009-17
29	56	84.8	18	4	US-09-840-009-24
30	56	84.8	18	4	US-09-840-009-31
31	56	84.8	18	4	US-09-840-009-34
32	56	84.8	18	4	US-09-840-009-35
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36	48	72.7	18	4	US-09-840-009-37
37	44	66.7	18	4	US-09-840-009-1
38	42	63.6	24	4	US-09-785-059B-5
39	42	63.6	36	4	US-09-785-059B-6
40	42	63.6	42	4	US-09-785-059B-8
41	42	63.6	48	4	US-09-785-059B-8
42	41	62.1	337	4	US-09-538-092-38
43	41	62.1	391	3	US-09-134-001C-5234
44	40	60.6	160	4	US-09-917-340-36
45	40	60.6	169	4	US-09-270-767-35406

ALIGNMENTS

RESULT 1
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 97.0%; Score 64; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.00098;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 1 IRRIRKIIHIKK 14
:|||||
DB 3 LRRIRKIIHIKK 16

RESULT 2
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9

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; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match          97.0%; Score 64; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.00098;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
   :|||||
Db 3 LRRIRKIIHIKK 16

RESULT 3
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match          97.0%; Score 64; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.00098;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
   :|||||
Db 3 LRRIRKIIHIKK 16

RESULT 4
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match          97.0%; Score 64; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.00098;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
   :|||||
Db 3 LRRIRKIIHIKK 16

RESULT 5
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match          97.0%; Score 64; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.00098;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
   :|||||
Db 3 LRRIRKIIHIKK 16

RESULT 6
US-09-840-009-4
; Sequence 4, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-4

Query Match          97.0%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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QY 1 IRRIRKIIHIKK 14
:|||||
Db 3 LRRIRKIIHIKK 16

RESULT 7

US-09-840-009-8
; Sequence 8, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-8

Query Match 89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IRRIRKIIHIKK 14
:|||||
Db 3 LRRIRKIIHIKK 16

RESULT 8

US-09-840-009-11
; Sequence 11, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-11

Query Match 89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IRRIRKIIHIKK 14
:|||||
Db 3 LRRIRKIIHIKK 16

RESULT 9

US-09-840-009-15
; Sequence 15, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-15

Query Match 89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IRRIRKIIHIKK 14
:|||||
Db 3 LRRIRKIIHIKK 16

RESULT 10

US-09-840-009-18
; Sequence 18, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-18

Query Match 89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IRRIRKIIHIKK 14
:|||||
Db 3 LRRIRKIIHIKK 16

RESULT 11

US-09-840-009-22
; Sequence 22, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.

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; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
;
US-09-840-009-22

Query Match      89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
Db 3 LRRIRKAIHIKK 16

RESULT 12
US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
;
US-09-840-009-25

Query Match      89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
Db 3 LRRIRKAIHIKK 16

RESULT 13
US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
;
US-09-840-009-29

Query Match      89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
Db 3 LRRIRKAIHIKK 16

RESULT 14
US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
;
US-09-840-009-5

Query Match      87.9%; Score 58; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0082;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
Db 3 LRRIRKAIHIKK 16

RESULT 15
US-09-840-009-12
; Sequence 12, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
;
US-09-840-009-12
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-12

Query Match      87.9%; Score 58; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. NO. 0.0082;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IRRIRKIIHIKK 14
   :|||:|||
Db  3 LRRIRKIIHIKK 16

Search completed: September 12, 2005, 19:54:22
Job time : 14.1667 secs
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 14.1667 Seconds
(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-14
Perfect score: 66
Sequence: 1 IRRIRKIIHIKK 14

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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6: /cgn2_6/ptodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	64	97.0	18	4	US-09-840-009-2
2	64	97.0	18	4	US-09-840-009-9
3	64	97.0	18	4	US-09-840-009-16
4	64	97.0	18	4	US-09-840-009-23
5	64	97.0	18	4	US-09-840-009-30
6	59	89.4	18	4	US-09-840-009-4
7	59	89.4	18	4	US-09-840-009-8
8	59	89.4	18	4	US-09-840-009-11
9	59	89.4	18	4	US-09-840-009-15
10	59	89.4	18	4	US-09-840-009-18
11	59	89.4	18	4	US-09-840-009-22
12	59	89.4	18	4	US-09-840-009-25
13	59	89.4	18	4	US-09-840-009-29
14	58	87.9	18	4	US-09-840-009-5
15	58	87.9	18	4	US-09-840-009-12
16	58	87.9	18	4	US-09-840-009-19
17	58	87.9	18	4	US-09-840-009-26
18	57	86.4	18	4	US-09-840-009-6
19	57	86.4	18	4	US-09-840-009-7
20	57	86.4	18	4	US-09-840-009-13
21	57	86.4	18	4	US-09-840-009-14
22	57	86.4	18	4	US-09-840-009-20
23	57	86.4	18	4	US-09-840-009-21
24	57	86.4	18	4	US-09-840-009-27
25	57	86.4	18	4	US-09-840-009-28
26	56	84.8	18	4	US-09-840-009-3
27	56	84.8	18	4	US-09-840-009-10

28	56	84.8	18	4	US-09-840-009-17
29	56	84.8	18	4	US-09-840-009-24
30	56	84.8	18	4	US-09-840-009-31
31	56	84.8	18	4	US-09-840-009-34
32	56	84.8	18	4	US-09-840-009-35
33	48	72.7	18	4	US-09-840-009-32
34	48	72.7	18	4	US-09-840-009-33
35	48	72.7	18	4	US-09-840-009-36
36	48	72.7	18	4	US-09-840-009-37
37	44	66.7	18	4	US-09-840-009-1
38	42	63.6	24	4	US-09-785-059B-5
39	42	63.6	36	4	US-09-785-059B-6
40	42	63.6	42	4	US-09-785-059B-7
41	42	63.6	48	4	US-09-785-059B-8
42	41	62.1	337	4	US-09-538-092-38
43	41	62.1	391	3	US-09-134-001C-5234
44	40	60.6	160	4	US-09-917-340-36
45	40	60.6	169	4	US-09-270-767-35406

ALIGNMENTS

RESULT 1
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehre, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 97.0%; Score 64; DB 4; Length 18;
Best Local Similarity 92.9%; Fred. No. 0.00098;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
Db 3 LRRIRKIIHIKK 16

RESULT 2
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehre, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9

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; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match          97.0%; Score 64; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.00098;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
   :|||||
Db 3 LRRIRKIIHIKK 16

RESULT 3
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match          97.0%; Score 64; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.00098;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
   :|||||
Db 3 LRRIRKIIHIKK 16

RESULT 4
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match          97.0%; Score 64; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.00098;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
   :|||||
Db 3 LRRIRKIIHIKK 16

RESULT 5
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match          97.0%; Score 64; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.00098;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
   :|||||
Db 3 LRRIRKIIHIKK 16

RESULT 6
US-09-840-009-4
; Sequence 4, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-4

Query Match          97.0%; Score 64; DB 4; Length 18;
Best Local Similarity 92.9%; Pred. No. 0.00098;
Matches 13; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
   :|||||
Db 3 LRRIRKIIHIKK 16

RESULT 7
US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-5

Query Match          89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;
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QY 1 IRRIRKIIHIKK 14
Db 3 LRRIRKIIHIKK 16

RESULT 7
US-09-840-009-8
; Sequence 8, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-8

Query Match 89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IRRIRKIIHIKK 14
Db 3 LRRIRKIIHIKK 16

RESULT 8
US-09-840-009-11
; Sequence 11, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-11

Query Match 89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IRRIRKIIHIKK 14
Db 3 LRRIRKIIHIKK 16

RESULT 9
US-09-840-009-15
; Sequence 15, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-15

Query Match 89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IRRIRKIIHIKK 14
Db 3 LRRIRKIIHIKK 16

RESULT 10
US-09-840-009-18
; Sequence 18, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-18

Query Match 89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IRRIRKIIHIKK 14
Db 3 LRRIRKIIHIKK 16

RESULT 11
US-09-840-009-22
; Sequence 22, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
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; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
; US-09-840-009-22

Query Match      89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
Db 3 LRRIRKAIHIKK 16

RESULT 12
US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; US-09-840-009-25

Query Match      89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
Db 3 LRRIRKAIHIKK 16

RESULT 13
US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
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; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
; US-09-840-009-29

Query Match      89.4%; Score 59; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0058;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
Db 3 LRRIRKAIHIKK 16

RESULT 14
US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; US-09-840-009-5

Query Match      87.9%; Score 58; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0082;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

Qy 1 IRRIRKIIHIKK 14
Db 3 LRRIRKAIHIKK 16

RESULT 15
US-09-840-009-12
; Sequence 12, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-12

Query Match      87.9%; Score 58; DB 4; Length 18;
Best Local Similarity 85.7%; Pred. No. 0.0082;
Matches 12; Conservative 1; Mismatches 1; Indels 0; Gaps 0;

QY 1 IRRIRKIIHIKK 14
   :||| |||||
Db  3 LRRIRKIIHIKK 16

Search completed: September 12, 2005, 19:54:23
Job time : 15.1667 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 13.1548 Seconds
(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-15
Perfect score: 61 LRRIRKIIHIK 13
Sequence: 1 LRRIRKIIHIK 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
1: /cgn2_6/prodata/1/iaa/5A COMB.pep:*
2: /cgn2_6/prodata/1/iaa/5B COMB.pep:*
3: /cgn2_6/prodata/1/iaa/6A COMB.pep:*
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5: /cgn2_6/prodata/1/iaa/PTUS COMB.pep:*
6: /cgn2_6/prodata/1/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Match	Query Length	DB ID	Description
1	61	100.0	18	4	US-09-840-009-2
2	61	100.0	18	4	US-09-840-009-9
3	61	100.0	18	4	US-09-840-009-16
4	61	100.0	18	4	US-09-840-009-23
5	61	100.0	18	4	US-09-840-009-30
6	56	91.8	18	4	US-09-840-009-4
7	56	91.8	18	4	US-09-840-009-8
8	56	91.8	18	4	US-09-840-009-11
9	56	91.8	18	4	US-09-840-009-15
10	56	91.8	18	4	US-09-840-009-18
11	56	91.8	18	4	US-09-840-009-22
12	56	91.8	18	4	US-09-840-009-25
13	56	91.8	18	4	US-09-840-009-29
14	55	90.2	18	4	US-09-840-009-5
15	55	90.2	18	4	US-09-840-009-12
16	55	90.2	18	4	US-09-840-009-19
17	55	90.2	18	4	US-09-840-009-26
18	54	88.5	18	4	US-09-840-009-6
19	54	88.5	18	4	US-09-840-009-7
20	54	88.5	18	4	US-09-840-009-13
21	54	88.5	18	4	US-09-840-009-14
22	54	88.5	18	4	US-09-840-009-20
23	54	88.5	18	4	US-09-840-009-21
24	54	88.5	18	4	US-09-840-009-27
25	54	88.5	18	4	US-09-840-009-28
26	53	86.9	18	4	US-09-840-009-3
27	53	86.9	18	4	US-09-840-009-10

28	53	86.9	18	4	US-09-840-009-17	Sequence 17, Appl
29	53	86.9	18	4	US-09-840-009-24	Sequence 24, Appl
30	53	86.9	18	4	US-09-840-009-31	Sequence 31, Appl
31	53	86.9	18	4	US-09-840-009-34	Sequence 34, Appl
32	53	86.9	18	4	US-09-840-009-35	Sequence 35, Appl
33	45	73.8	18	4	US-09-840-009-32	Sequence 32, Appl
34	45	73.8	18	4	US-09-840-009-33	Sequence 33, Appl
35	45	73.8	18	4	US-09-840-009-36	Sequence 36, Appl
36	45	73.8	18	4	US-09-840-009-37	Sequence 37, Appl
37	41	67.2	18	4	US-09-840-009-1	Sequence 1, Appl
38	39	63.9	391	3	US-09-134-001C-5234	Sequence 5234, Ap
39	38	62.3	24	4	US-09-785-059B-5	Sequence 5, Appl
40	38	62.3	36	4	US-09-785-059B-6	Sequence 6, Appl
41	38	62.3	42	4	US-09-785-059B-7	Sequence 7, Appl
42	38	62.3	48	4	US-09-785-059B-8	Sequence 8, Appl
43	37	60.7	160	4	US-09-917-340-36	Sequence 36, Appl
44	37	60.7	185	4	US-09-902-540-15903	Sequence 15903, A
45	36	59.0	337	4	US-09-538-092-38	Sequence 38, Appl

ALIGNMENTS

RESULT 1
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehner, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 100.0%; Score 61; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0013;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 LRRIRKIIHIK 13
DB 3 LRRIRKIIHIK 15

RESULT 2
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9

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; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match      100.0%; Score 61; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0013;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
Db 3 LRRIRKIIHIK 15

RESULT 3
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match      100.0%; Score 61; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0013;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
Db 3 LRRIRKIIHIK 15

RESULT 4
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
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; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match      100.0%; Score 61; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0013;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
Db 3 LRRIRKIIHIK 15

RESULT 5
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match      100.0%; Score 61; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0013;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
Db 3 LRRIRKIIHIK 15

RESULT 6
US-09-840-009-4
; Sequence 4, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-4

Query Match      91.8%; Score 56; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0081;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 LRRIRKIIHIK 13
||| |||||
Db 3 LRRIRKIIHIK 15

RESULT 7

US-09-840-009-8
; Sequence 8, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-8

Query Match 91.8%; Score 56; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0081;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LRRIRKIIHIK 13
||| |||||
Db 3 LRRIRKIIHIK 15

RESULT 8

US-09-840-009-11
; Sequence 11, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-11

Query Match 91.8%; Score 56; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0081;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LRRIRKIIHIK 13
||| |||||
Db 3 LRRIRKIIHIK 15

RESULT 9

US-09-840-009-15
; Sequence 15, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-15

Query Match 91.8%; Score 56; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0081;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LRRIRKIIHIK 13
||| |||||
Db 3 LRRIRKIIHIK 15

RESULT 10

US-09-840-009-18
; Sequence 18, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-18

Query Match 91.8%; Score 56; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0081;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 LRRIRKIIHIK 13
||| |||||
Db 3 LRRIRKIIHIK 15

RESULT 11

US-09-840-009-22
; Sequence 22, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.

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; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-22

Query Match          91.8%; Score 56; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0081;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
Db 3 LRRIRKAIHIK 15

RESULT 12
US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-25

Query Match          91.8%; Score 56; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0081;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
Db 3 LRRIRKTHIK 15

RESULT 13
US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
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; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-29

Query Match          91.8%; Score 56; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0081;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
Db 3 LRRIRKIAHIK 15

RESULT 14
US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Tack, Brian F.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-5

Query Match          90.2%; Score 55; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.012;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 LRRIRKIIHIK 13
Db 3 LRRIRKIIHIK 15

RESULT 15
US-09-840-009-12
; Sequence 12, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-12

Query Match          90.2%; Score 55; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.012;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 LRRIRKIIHIK 13
        ||| |||||
Db       3 LRRISKIIHIK 15

Search completed: September 12, 2005, 19:54:23
Job time : 13.1548 secs
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GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 13.1548 Seconds
(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-16
Perfect score: 62
Sequence: 1 RRIIRKIIHIKK 13

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA*
1: /cgn2_6/ptodata/1/1aa/5A_COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B_COMB.pep:*
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6: /cgn2_6/ptodata/1/1aa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	62	100.0	18	4	US-09-840-009-2
2	62	100.0	18	4	US-09-840-009-9
3	62	100.0	18	4	US-09-840-009-16
4	62	100.0	18	4	US-09-840-009-23
5	62	100.0	18	4	US-09-840-009-30
6	57	91.9	18	4	US-09-840-009-4
7	57	91.9	18	4	US-09-840-009-8
8	57	91.9	18	4	US-09-840-009-11
9	57	91.9	18	4	US-09-840-009-15
10	57	91.9	18	4	US-09-840-009-18
11	57	91.9	18	4	US-09-840-009-22
12	57	91.9	18	4	US-09-840-009-25
13	57	91.9	18	4	US-09-840-009-29
14	56	90.3	18	4	US-09-840-009-5
15	56	90.3	18	4	US-09-840-009-12
16	56	90.3	18	4	US-09-840-009-19
17	56	90.3	18	4	US-09-840-009-26
18	55	88.7	18	4	US-09-840-009-6
19	55	88.7	18	4	US-09-840-009-7
20	55	88.7	18	4	US-09-840-009-13
21	55	88.7	18	4	US-09-840-009-14
22	55	88.7	18	4	US-09-840-009-20
23	55	88.7	18	4	US-09-840-009-21
24	55	88.7	18	4	US-09-840-009-27
25	55	88.7	18	4	US-09-840-009-28
26	54	87.1	18	4	US-09-840-009-3
27	54	87.1	18	4	US-09-840-009-10

28	54	87.1	18	4	US-09-840-009-17
29	54	87.1	18	4	US-09-840-009-24
30	54	87.1	18	4	US-09-840-009-31
31	54	87.1	18	4	US-09-840-009-34
32	54	87.1	18	4	US-09-840-009-35
33	46	74.2	18	4	US-09-840-009-32
34	46	74.2	18	4	US-09-840-009-33
35	46	74.2	18	4	US-09-840-009-36
36	46	74.2	18	4	US-09-840-009-37
37	42	67.7	18	4	US-09-840-009-1
38	41	66.1	337	4	US-09-538-092-38
39	39	62.9	24	4	US-09-785-059B-5
40	39	62.9	36	4	US-09-785-059B-6
41	39	62.9	42	4	US-09-785-059B-7
42	39	62.9	48	4	US-09-785-059B-8
43	38	61.3	149	4	US-09-774-639-304
44	38	61.3	160	4	US-09-917-340-36
45	38	61.3	229	4	US-09-394-142B-8

ALIGNMENTS

RESULT 1
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 100.0%; Score 62; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0012;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 RRIIRKIIHIKK 13
DB 4 RRIIRKIIHIKK 16

RESULT 2
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9

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; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match      100.0%; Score 62; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0012;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
Db 4 RRIIRKIIHIKK 16

RESULT 3
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match      100.0%; Score 62; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0012;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
Db 4 RRIIRKIIHIKK 16

RESULT 4
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match      100.0%; Score 62; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0012;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
Db 4 RRIIRKIIHIKK 16

RESULT 5
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match      100.0%; Score 62; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0012;
Matches 13; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
Db 4 RRIIRKIIHIKK 16

RESULT 6
US-09-840-009-4
; Sequence 4, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-4

Query Match      91.9%; Score 57; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0076;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY 1 RRIIRKIIHIKK 13
|| |||||
Db 4 RRTIRKIIHIKK 16

RESULT 7

US-09-840-009-8
; Sequence 8, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-8

Query Match 91.9%; Score 57; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0076;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RRIIRKIIHIKK 13
|| |||||
Db 4 RRAIRKIIHIKK 16

RESULT 8

US-09-840-009-11
; Sequence 11, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-11

Query Match 91.9%; Score 57; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0076;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RRIIRKIIHIKK 13
|| |||||
Db 4 RRIIRKIIHIKK 16

RESULT 9

US-09-840-009-15
; Sequence 15, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-15

Query Match 91.9%; Score 57; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0076;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RRIIRKIIHIKK 13
|| |||||
Db 4 RRIIRKIIHIKK 16

RESULT 10

US-09-840-009-18
; Sequence 18, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-18

Query Match 91.9%; Score 57; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0076;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1 RRIIRKIIHIKK 13
|| |||||
Db 4 RRIIRKIIHIKK 16

RESULT 11

US-09-840-009-22
; Sequence 22, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.

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; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
; US-09-840-009-22

Query Match          91.9%; Score 57; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0076;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
Db 4 RRIIRKAIHIKK 16

RESULT 12
US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; US-09-840-009-25

Query Match          91.9%; Score 57; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0076;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
Db 4 RRIIRKAIHIKK 16

RESULT 13
US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; US-09-840-009-29
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; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
; US-09-840-009-29

Query Match          91.9%; Score 57; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.0076;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
Db 4 RRIIRKAIHIKK 16

RESULT 14
US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; US-09-840-009-5

Query Match          90.3%; Score 56; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.011;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIKK 13
Db 4 RRIIRKAIHIKK 16

RESULT 15
US-09-840-009-12
; Sequence 12, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-12

Query Match      90.3%; Score 56; DB 4; Length 18;
Best Local Similarity 92.3%; Pred. No. 0.011;
Matches 12; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RRIIRKIIHIKK 13
      ||| |||||
Db       4 RRIIRKIIHIKK 16

Search completed: September 12, 2005, 19:54:23
Job time : 13.1548 secs
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OM protein - protein search, using sw model

Run on: September 12, 2005, 19:39:22 ; Search time 12.1429 Seconds
(without alignments)
73.771 Million cell updates/sec

Title: US-09-642-744E-17
Perfect score: 57
Sequence: 1 RRIIRKIIHIK 12

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
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3: /cgn2_6/ptodata/1/1aa/6A-COMB.pep.*
4: /cgn2_6/ptodata/1/1aa/6B-COMB.pep.*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	57	100.0	18	4	US-09-840-009-2
2	57	100.0	18	4	US-09-840-009-9
3	57	100.0	18	4	US-09-840-009-16
4	57	100.0	18	4	US-09-840-009-23
5	57	100.0	18	4	US-09-840-009-30
6	52	91.2	18	4	US-09-840-009-4
7	52	91.2	18	4	US-09-840-009-8
8	52	91.2	18	4	US-09-840-009-11
9	52	91.2	18	4	US-09-840-009-15
10	52	91.2	18	4	US-09-840-009-18
11	52	91.2	18	4	US-09-840-009-22
12	52	91.2	18	4	US-09-840-009-25
13	52	91.2	18	4	US-09-840-009-29
14	51	89.5	18	4	US-09-840-009-5
15	51	89.5	18	4	US-09-840-009-12
16	51	89.5	18	4	US-09-840-009-19
17	51	89.5	18	4	US-09-840-009-26
18	50	87.7	18	4	US-09-840-009-6
19	50	87.7	18	4	US-09-840-009-7
20	50	87.7	18	4	US-09-840-009-13
21	50	87.7	18	4	US-09-840-009-14
22	50	87.7	18	4	US-09-840-009-20
23	50	87.7	18	4	US-09-840-009-21
24	50	87.7	18	4	US-09-840-009-27
25	50	87.7	18	4	US-09-840-009-28
26	49	86.0	18	4	US-09-840-009-3
27	49	86.0	18	4	US-09-840-009-10

28	49	86.0	18	4	US-09-840-009-17
29	49	86.0	18	4	US-09-840-009-24
30	49	86.0	18	4	US-09-840-009-31
31	49	86.0	18	4	US-09-840-009-34
32	49	86.0	18	4	US-09-840-009-35
33	41	71.9	18	4	US-09-840-009-32
34	41	71.9	18	4	US-09-840-009-33
35	41	71.9	18	4	US-09-840-009-36
36	41	71.9	18	4	US-09-840-009-37
37	37	64.9	18	4	US-09-840-009-1
38	37	64.9	24	4	US-09-785-059B-5
39	37	64.9	36	4	US-09-785-059B-6
40	37	64.9	42	4	US-09-785-059B-7
41	37	64.9	48	4	US-09-785-059B-8
42	37	64.9	185	4	US-09-902-540-15903
43	37	64.9	391	3	US-09-134-001C-5234
44	36	63.2	337	4	US-09-538-092-38
45	36	63.2	497	4	US-09-134-000C-5455

ALIGNMENTS

RESULT 1
US-09-840-009-2
; Sequence 2, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 18
; TYPE: PPT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-2

Query Match 100.0%; Score 57; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0036;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
| | | | | | | | | | | | | |
Db 4 RRIIRKIIHIK 15

RESULT 2
US-09-840-009-9
; Sequence 9, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehner, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9

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; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-9

Query Match      100.0%; Score 57; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0036;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
Db 4 RRIIRKIIHIK 15

RESULT 3
US-09-840-009-16
; Sequence 16, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-16

Query Match      100.0%; Score 57; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0036;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
Db 4 RRIIRKIIHIK 15

RESULT 4
US-09-840-009-23
; Sequence 23, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 23
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-23

Query Match      100.0%; Score 57; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0036;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
Db 4 RRIIRKIIHIK 15

RESULT 5
US-09-840-009-30
; Sequence 30, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 30
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-30

Query Match      100.0%; Score 57; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.0036;
Matches 12; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 RRIIRKIIHIK 12
Db 4 RRIIRKIIHIK 15

RESULT 6
US-09-840-009-4
; Sequence 4, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195W0
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-isoleucine
US-09-840-009-4

Query Match      100.0%; Score 52; DB 4; Length 18;
Best Local Similarity 91.7%; Pred. No. 0.024;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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QY      1 RRIIRKIIHIK 12
Db      4 RRTIRKIIHIK 15

RESULT 7
US-09-840-009-8
; Sequence 8, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 8
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-8

Query Match      91.2%; Score 52; DB 4; Length 18;
Best Local Similarity 91.7%; Pred. No. 0.024;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RRIIRKIIHIK 12
Db      4 RRAIRKIIHIK 15

RESULT 8
US-09-840-009-11
; Sequence 11, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 11
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-11

Query Match      91.2%; Score 52; DB 4; Length 18;
Best Local Similarity 91.7%; Pred. No. 0.024;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RRIIRKIIHIK 12
Db      4 RRAIRKIIHIK 15

RESULT 9
US-09-840-009-15
; Sequence 15, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-15

Query Match      91.2%; Score 52; DB 4; Length 18;
Best Local Similarity 91.7%; Pred. No. 0.024;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RRIIRKIIHIK 12
Db      4 RRIARKIIHIK 15

RESULT 10
US-09-840-009-18
; Sequence 18, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-19SWO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-18

Query Match      91.2%; Score 52; DB 4; Length 18;
Best Local Similarity 91.7%; Pred. No. 0.024;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RRIIRKIIHIK 12
Db      4 RRIARKIIHIK 15

RESULT 11
US-09-840-009-22
; Sequence 22, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
```

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; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 22
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-22
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Query Match          91.2%; Score 52; DB 4; Length 18;
Best Local Similarity 91.7%; Pred. No. 0.024;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 1 RRIIRKIIHIK 12
Db 4 RRIIRKAIHIK 15
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RESULT 12

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US-09-840-009-25
; Sequence 25, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 25
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-25
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Query Match          91.2%; Score 52; DB 4; Length 18;
Best Local Similarity 91.7%; Pred. No. 0.024;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 1 RRIIRKIIHIK 12
Db 4 RRIIRKTHIHK 15
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RESULT 13

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US-09-840-009-29
; Sequence 29, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
```

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; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 29
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
; OTHER INFORMATION: D-alanine
US-09-840-009-29
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Query Match          91.2%; Score 52; DB 4; Length 18;
Best Local Similarity 91.7%; Pred. No. 0.024;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 1 RRIIRKIIHIK 12
Db 4 RRIIRKAIHIK 15
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RESULT 14

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US-09-840-009-5
; Sequence 5, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 5
; LENGTH: 18
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-5
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Query Match          89.5%; Score 51; DB 4; Length 18;
Best Local Similarity 91.7%; Pred. No. 0.035;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
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Qy 1 RRIIRKIIHIK 12
Db 4 RRSIRKIIHIK 15
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RESULT 15

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US-09-840-009-12
; Sequence 12, Application US/09840009
; Patent No. 6492328
; GENERAL INFORMATION:
; APPLICANT: Lehrer, Robert I.
; APPLICANT: Waring, Alan J.
; APPLICANT: Tack, Brian F.
; TITLE OF INVENTION: NOVISPIRINS: ANTIMICROBIAL PEPTIDES
; FILE REFERENCE: 06510-195WO
; CURRENT APPLICATION NUMBER: US/09/840,009
; CURRENT FILING DATE: 2001-04-19
; PRIOR APPLICATION NUMBER: US 09/606,858
; PRIOR FILING DATE: 2000-06-28
; NUMBER OF SEQ ID NOS: 37
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 18
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; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic antimicrobial peptide
US-09-840-009-12

Query Match      89.5%; Score 51; DB 4; Length 18;
Best Local Similarity 91.7%; Pred. No. 0.035;
Matches 11; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY      1 RRIIRKIIHIK 12
      ||| |||||
Db       4 RRIIRKIIHIK 15

Search completed: September 12, 2005, 19:54:23
Job time : 12.1429 secs
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